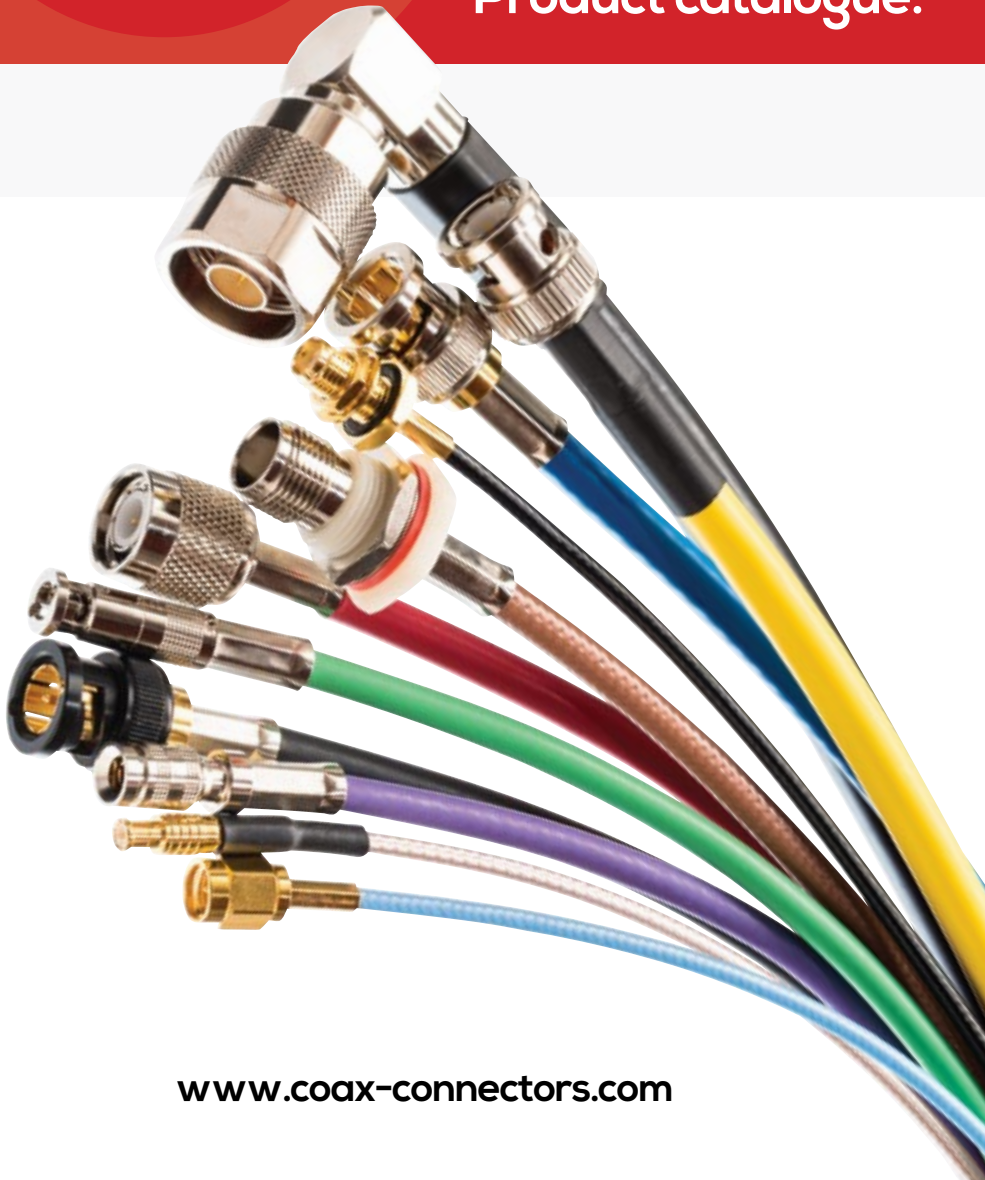


COAX
CONNECTORS LTD

Product catalogue.



www.coax-connectors.com

Contents.

| Section | Page |
|--|---------|
| Welcome to COAX | 3 |
| Quality, performance and reliability by design | 4 |
| Design services | 5 |
| Cable assembly service | 6 |
| Applications | 7 |
| KORUS - New for 2015 | 8 - 9 |
| BNC 50 ohm | 12 - 25 |
| BNC 50 ohm Reverse Polarity | 26-27 |
| BNC 75 ohm | 28-41 |
| Mini BNC 75 ohm | 42-45 |
| Micro BNC 75 ohm | 46-51 |
| TNC 50 & 75 ohm | 52-62 |
| TNC Reverse Polarity | 64-67 |
| F-Type | 68-71 |
| Euro TV | 72 |
| 0.4/2.5 75 ohm | 74-75 |
| UHF | 76-79 |
| FME | 80-83 |
| N-Type 50 & 75 ohm | 84-99 |
| DIN Insert | 100-101 |
| SMA | 102-119 |
| SMA Reverse Polarity | 120-121 |
| SMB | 122-131 |
| SMC | 132-135 |
| Type 43 (SMZ) | 136-141 |
| HDC 43 | 142-143 |
| UHDC 43 | 144-145 |
| HDC/UHDC | 146 |
| SSMZ | 147 |
| Type 54 | 148-151 |
| 1.0/2.3 75 ohm | 152-157 |
| MCX | 158-163 |
| MMCX | 164-169 |
| BMA | 170-171 |
| Inter Series Adaptors | 172-173 |
| Joiners and Terminators | 174-175 |
| Accessories & Tooling | 176-178 |
| Part Number Index | 180-181 |

In this catalogue.

- New Connectors
- More Standard Connectors
- Tooling
- Cable Assemblies

New colour coded index.

Helping you to find the connector you need quickly.

More information.

Increased detail to help you choose the right connector.

Go online or call.

We are always here to help, at www.coax-connectors.com or call +44 (0)20 8538 9090.

Welcome to COAX.

COAX Connectors Ltd is a leading UK designer, manufacturer and supplier of high performance RF connectors.

Our products are underpinned by a high level of design expertise and an unfaltering commitment to service and quality. Having gone through a rigorous development process and extensive testing, the refined design of a COAX connector is sure to deliver the reliable and enduring performance your business needs.

Many of our connectors are available from stock for next day delivery, and where a bespoke solution is required COAX has the design capability to deliver a complete end to end service to satisfy your RF connector needs. Our designers can work with you from initial problem solving, through design concepts and prototyping, to supplying a qualified production part.

To complement our extensive range of RF connectors we offer a cable assembly service with rapid turnaround. Using this service not only saves you time, but also reduces the need for tooling, and ensures the correct method of termination.

With many years experience of working with customers and industry partners across various industries, COAX is well placed to assist with all your RF interconnectivity requirements. We look forward to working with you on your next project.

To discuss your RF connector or cable assembly requirement call +44 (0)20 8538 9090 or email: info@coax-connectors.com



COAX
CONNECTORS LTD

Quality, performance and reliability by design.

Not all connectors are designed and manufactured to the same standard. We do not believe that our customers should have to compromise on quality, performance, or reliability.

Our commitment to quality goes well beyond our accreditations to ISO 9001:2008 and ISO 14001:2004.

From the outset our connectors are designed and developed to perform to exacting standards. Using SolidWorks CAD software, backed up with an in-house test laboratory including HP network analyser, designs are proven using DFMA, FMEA and similar tools.

Our rigorous testing processes, which include high frequency testing, thermal shock testing, and accelerated age testing, ensure that the end result is a robust, cost effective product.

The COAX Connectors design department is staffed by a team of professionals who have decades of experience within leading global connector companies. On a daily basis they work closely with customers and industry partners to provide innovative product solutions.



No. 95Q13579



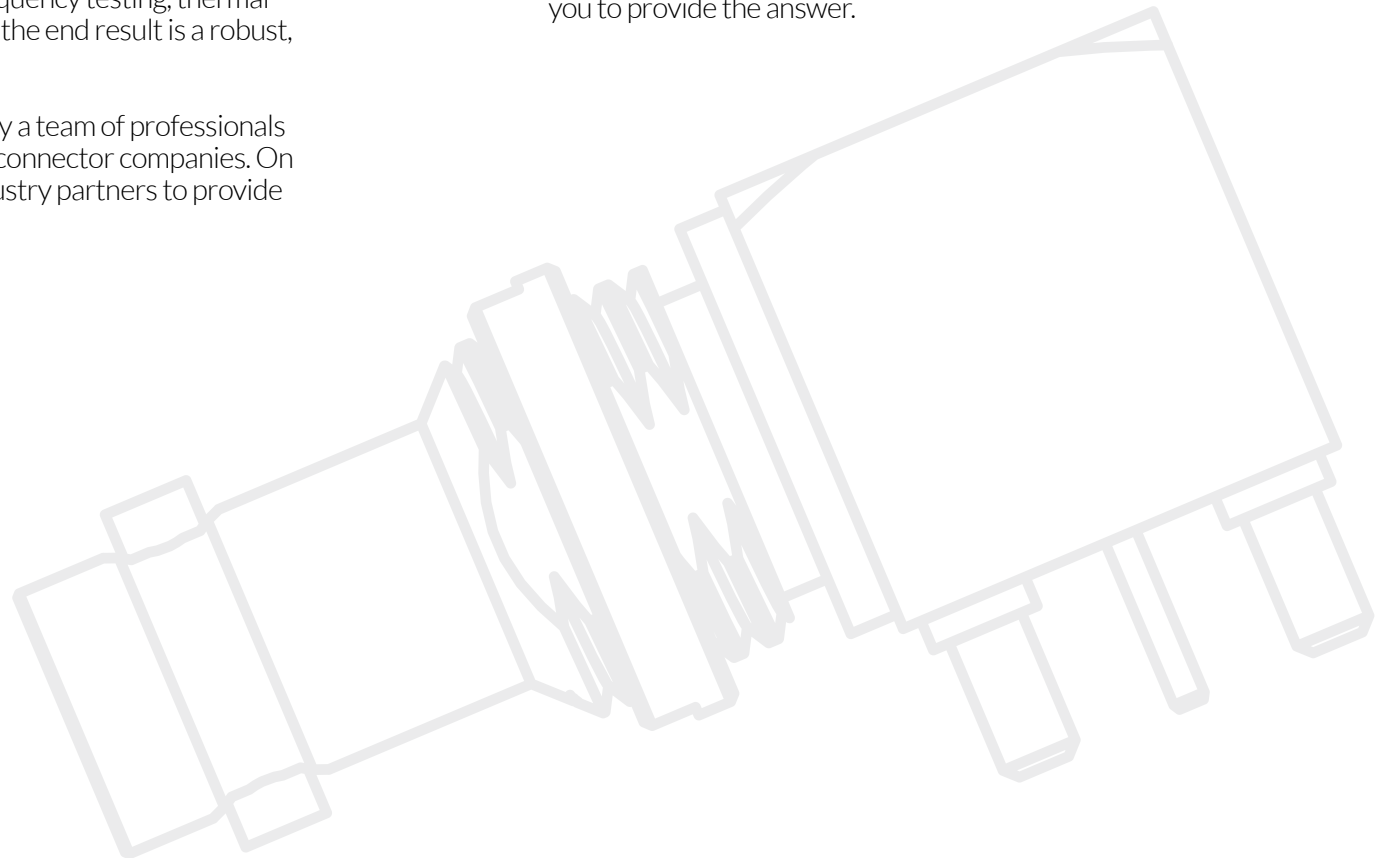
No. 92E13579

Design services.

Whether you require fast turnaround of a bespoke connector for a specific application or a simple re-work of an existing design, our design department have the technical expertise to assist. Typical projects undertaken include:

- RF connector design
- Cable assembly design
- Engineered cost reductions
- Rapid prototyping
- Test and Qualification
- Re-design of obsolete products
- Reverse engineering
- Interconnect consultancy

Whatever your RF interconnectivity requirement, our designers can work with you to provide the answer.



Cable assembly service.

What do you do if you need cable assemblies in a hurry?

To complement our extensive range of RF connectors we are pleased to offer a cable assembly service with rapid turnaround. Our service avoids the inconvenience of having to make cable assemblies yourself. Not only can it save you time, it also reduces the need for tooling and testing, eliminates scrap, and ensures correct method of termination.

Whether you want us to do everything for you, or whether you just need us to cut your cables to length ready prepared for your termination we can assist.

Contact us on +44 (0)20 8538 9090 to discuss your exact requirements.



Applications.

Many COAX Connectors are deployed in locations where their performance is depended upon to carry vital data between sensitive and high performance equipment, 365 days a year, such as Broadcast, Security, Telecommunications, Medical or Defence applications.



New

COAX
CONNECTORS LTD

KORUS

the future of 75 ohm BNC connectors

High Performance 75 ohm BNC Connectors.

Whether you're looking for 6G connectors for 4K / Ultra HD, or improved performance from existing 3G systems, the new 'KORUS' range of BNCs from COAX is the answer.

The industry leading 'low loss' performance of the next generation KORUS range permits high data signal transmission without distortion. Offering outstanding True 75 ohm performance for both 3G and 6G, these connectors are the perfect choice for use in new 6G-SDI systems.

Finished in distinctive gold and black with Gold plated inner and outer contacts, the KORUS range covers popular industry standard cables together with adaptors and PCB mount versions.

KORUS connectors are the latest addition to the COAX 75 ohm BNC range already widely used in broadcast applications for the transmission of HD-SDI 1080p, SMPTE 292M & 424M standards and 4K Ultra HD picture quality. For further details see pages 30, 39 and 41.

Key features:

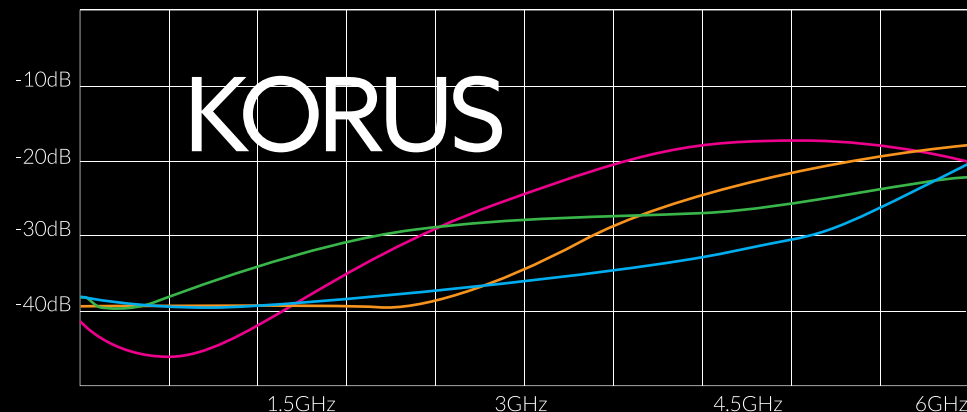
True 75 ohm

6G-SDI

Distinctive Gold /Black

4K Ultra HD

Low loss beyond 6GHz



Typical return loss.

| | 1.5GHz | 3GHz | 4.5GHz | 6GHz |
|---|--------|--------|--------|--------|
| 10-005-W66-FA | -29.73 | -26.34 | -31.48 | -23.09 |
| For cable types: Belden 1855ENH, 1855A, Draka 0.6/2.8 AF, Bryant BD SD01, Canford SDV, Percon VK5, Argosy Image360 | | | | |
| 10-005-W66-FB | -39.32 | -33.86 | -22.42 | -17.41 |
| For cable types: Belden 1505A, Draka 0.8/3.7 AF, Bryant BD SD50A, Percon VK6, Argosy Image720 | | | | |
| 10-005-W66-FC | -35.54 | -27.93 | -26.90 | -22.44 |
| For cable types: Belden 1694A, 1694F, Draka 1.0/4.8 AF, Bryant BD SD11, Canford SDV-L, Percon VK7, VK77, Argosy Image1000 | | | | |
| 10-005-W66-FD | -38.14 | -25.06 | -17.43 | -20.37 |
| For cable types: Belden 7731A, Draka 1.6/7.3 AF, Bryant BD SD70, Argosy Image2000 | | | | |

For details of the connectors featured above, see page 30.

Need help? Call us today: +44 (0)20 8538 9090
or for more information visit: www.coax-connectors.com

About this catalogue.

This catalogue shows only a popular selection of connectors available from COAX.

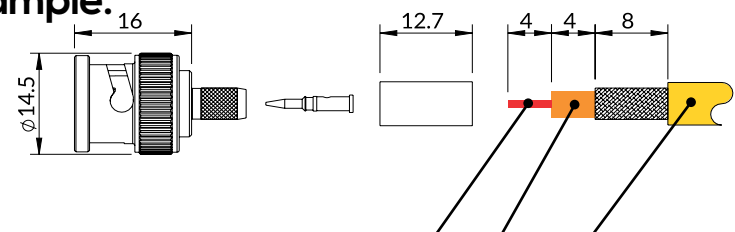
Supplementary technical information and performance data for products is available at

www.coax-connectors.com

Cable connector selection.

Although we list a range of known cables that will fit our cable connectors, the cable that you use may not be listed. If this is the case, we list nominal cable dimensions used with our connectors in the table against each part number. To help you choose the most suitable connector for your cable, compare the dimensions listed with those of your cable and select the part number with the nearest match.

Example.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 10-005-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 10-005-A3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 10-005-A3-AO | RG214 | AO | 2.2 | 7.2 | 11 | 2.54 Hex | 10.9 Hex | |
| 10-005-A3-AU | RG400, RG142 | AU | 0.95 | 3.1 | 5 | 1.73 Hex | 5.41 Hex | |
| 10-006-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | |
| 10-006-A3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | 1.73 Hex | 5.41 Hex | |



Please note that any connector and cable combination should be tested before finalising your design or application to confirm suitability.



BNC 50 ohm connectors.

50 ohm BNC connectors feature a simple bayonet coupling requiring only a quarter turn to connect or disconnect. The easy to use secure coupling makes BNC one of the most widespread general purpose connectors used in all electrical markets.

Our BNCs are designed to meet the requirements of IEC 61169-8 and typical applications include, instrumentation, security, telecom, broadcast, defence and aerospace.

The wide selection of body styles and configurations that support an extensive range of industry standard cables, makes BNC connectors, and their smaller variants, a popular choice.

Cable attachment methods include crimp, solder, clamp, Twist-On and Spring-Lock to suit whatever requirements you have. Where required, appropriate tooling can be found in the Accessories & Tooling section of this catalogue.

COAX connectors offer an extensive range of both 50 ohm and 75 ohm BNCs, together with Mini and Micro (aka HD BNC) series, and True 75 ohm versions that can operate up to 6GHz.

Key features:

Bayonet Coupling

Wide variety of configurations

IP64 Sealed Interface

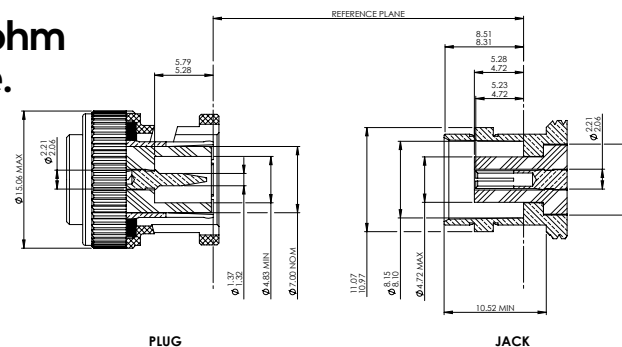
Large cable range supported

| BNC index | Page |
|---|--------------|
| BNC 50 ohm | 12-27 |
| Straight crimp plug | 14 |
| Straight solder clamp plug | 15 |
| Straight top hat solder clamp plug | 15 |
| Direct solder plug for semi-rigid cables | 16 |
| Right angle plug | 17 |
| Straight crimp jack | 18 |
| Straight crimp bulkhead jack rear mount | 19 |
| Straight solder jack front mount bulkhead | 20 |
| 4 hole flangemount jack | 21 |
| Straight PCB jack | 22 |
| Right angle PCB jack | 23 |
| Adaptors | 24-25 |
| Reverse polarity straight crimp plug | 26 |
| Reverse polarity straight crimp bulkhead jack, rear mount | 27 |
| BNC 75 ohm | 28-41 |
| Mini BNC 75 ohm | 42-45 |
| Micro BNC 75 ohm | 46-51 |

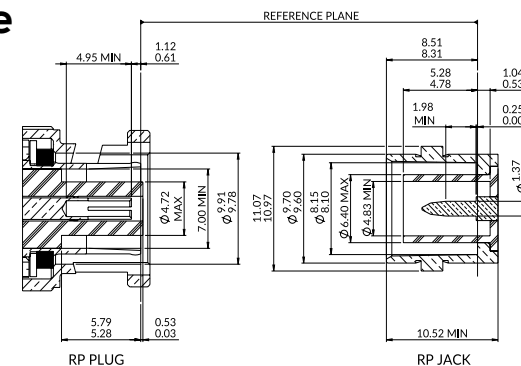
Specification.

| Electrical Specification | | Environmental Specification | |
|---|-------------|-----------------------------|-------------------|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 4 GHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 1500 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-8 | Centre Contact | Brass |
| ROHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE/Delrin |
| Contact Retention | 15N min | Bayonet Cap | Zinc |
| Mating Force | <20N max | Centre Contact Plating | Gold |
| Un-coupling Force | >2.2N min | Outer Contact Plating | Nickel |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

BNC 50 ohm interface.



BNC Reverse Polarity 50 ohm. interface.





Straight crimp plug.

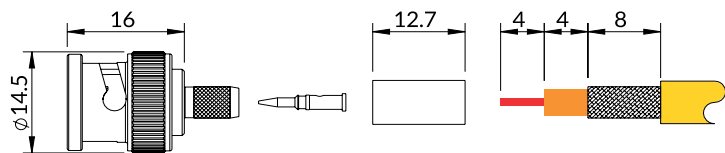
These BNC plugs have gold plated crimped centre contacts and outer contacts with nickel plating.

For best performance centre contacts should be crimped, but may be soldered if required (for LMR400 soldering is recommended).

See table below for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 10-005-A0-AM | RG11,KX8 | AM | 1.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 10-005-A0-AT | RG11RBS | AT | 1.2 | 7.2 | 11 | 2.54 Hex | 11.4 Hex | |
| 10-005-A3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 10-005-A3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 10-005-A3-AO | RG214 | AO | 2.2 | 7.2 | 11 | 2.54 Hex | 10.9 Hex | |
| 10-005-A3-AP | URM202 | AP | 0.7 | 3.2 | 5 | 1.73 Hex | 6.5 Hex | |
| 10-005-A3-AU | RG400,RG142 | AU | 0.95 | 3.1 | 5 | 1.73 Hex | 5.41 Hex | |
| 10-005-A3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | |
| 10-005-A3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | 3.25 Hex | 10.9 Hex | ** |
| 10-005-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 10-006-A3-AD | RG174,RG188,RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | 4 Part* |
| 10-006-A3-AE | RD316,RD188 | AE | 0.5 | 1.5 | 3 | 1.73 Hex | 5.41 Hex | 4 Part* |

*4 Part connectors include an insulated sleeve to provide additional support for small cables during assembly
**Soldering of centre contact is recommended



Assembly Procedure - AP001 & AP002 (4 part), see www.coax-connectors.com/ap for details

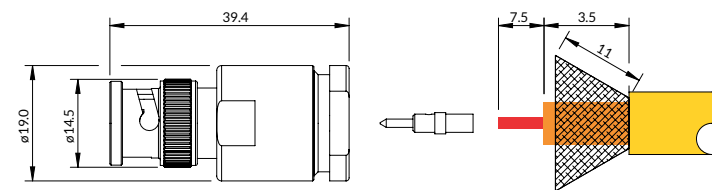
Straight solder clamp plug.

Solder/Clamp plugs may be assembled without the need for specialist crimp tooling.

These BNC plugs have gold plated centre contacts and the outer is nickel plated.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------|-------------|--|-----|----|----------------|---------------|----------|
| 10-002-B3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | Solder | Clamp | |



Assembly Procedure - AP016, see www.coax-connectors.com/ap for details

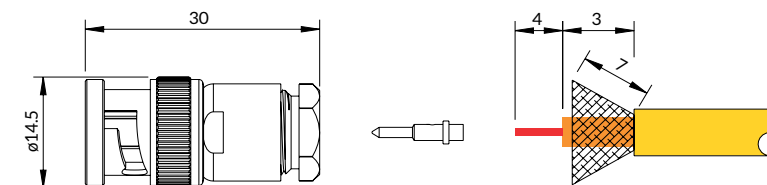
Straight top hat solder clamp plug.

Top Hat clamp connectors offer improved cable retention strength over standard clamp connectors. No specialist tooling is required to assemble these plugs.

These connectors have gold plated center contacts with nickel plating on the outer.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-------------------|-------------|--|-----|---|----------------|---------------|----------|
| 10-001-A3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | |



Assembly Procedure - AP010, see www.coax-connectors.com/ap for details

Direct solder plug for semi-rigid cables.

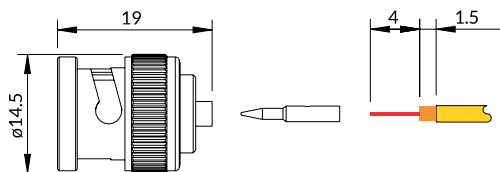
These plugs are for direct soldering to standard 0.085" or 0.141" semi-rigid and conformable cables.

These connectors are fitted with gold plated centre contact and nickel plated outer contact. Accurate preparation of the cable will ensure optimum performance for this connector when fitted to semi-rigid or conformable cable.

The centre contact is soldered to the centre conductor of the cable and the copper outer jacket is soldered directly to the gold plated spigot on the rear of the body.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) | | | Centre Contact | Outer Contact | Features |
|--------------|--------------|-------------|---------------------------------|-----|-----|----------------|---------------|----------|
| 10-014-D3-HA | RG405(.085") | HA | 0.6 | n/a | 2.2 | Solder | Solder | |
| 10-014-D3-HB | RG402(.141") | HB | 1 | n/a | 3.6 | Solder | Solder | |

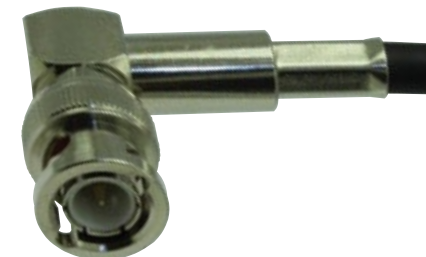


Assembly Procedure - AP033, see www.coax-connectors.com/ap for details

Right angle plug.

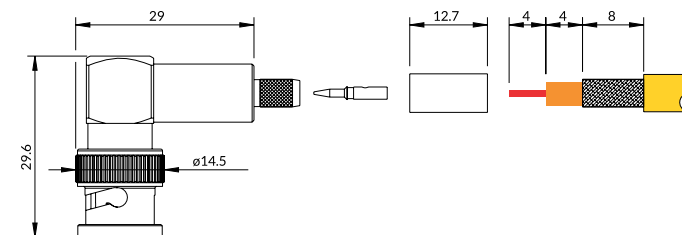
BNC right angle plugs have either crimp or soldered gold plated contacts and crimped outer conductor. The crimped contacts are in 2 parts, a loose contact is supplied for crimping to the conductor which mates with a fixed element during assembly to provide improved RF performance. The soldered contact versions have a 'capped aperture' in the square part of the body, through which the centre conductor is soldered.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) | | | Centre Contact | Outer Contact | Features |
|--------------|----------------------------|-------------|---------------------------------|-----|-----|----------------|---------------|-----------------------|
| 10-104-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Crimp / Crimp |
| 10-104-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Crimp / Crimp |
| 10-106-A0-AD | RG174, RG188, RG316 LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Crimp / Crimp 4 Part* |
| 10-105-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | Solder | 6.5 Hex | Solder / Crimp |
| 10-105-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | 10.9 Hex | Solder / Crimp |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.



Assembly Procedure -
AP019 (10-104-A3-AH & AK) - AP017 (10-105-B3-AD & DE) - AP002 (10-106-A0-AD)
See www.coax-connectors.com/ap for details



Remember.

COAX Connectors can supply fully tested cable assemblies. Please contact us to discuss your requirements.

Straight crimp jack.

Crimp cable jacks are available as either free cable or for bulkhead front mounting. The bulkhead mounted variants include a nut and lock washer.

These BNC jacks have a gold plated, crimped centre contacts and the outer conductor is hexagon crimped. The body and other metal parts are nickel plated.

Connectors marked '4 Part' include an insulated sleeve to provide additional support during assembly on to small diameter cables.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Figure 1

Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|---|---------------|------------------|
| 10-054-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 10-050-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder/Clamp - Not shown. Use assembly procedure AP016 | | |
| 10-054-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 10-054-A3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | Figure 1 |
| 10-054-A3-AP | URM202 | AP | 0.7 | 3.2 | 5 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 10-055-A0-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | 4 part, Figure 1 |
| 10-268-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 2 |

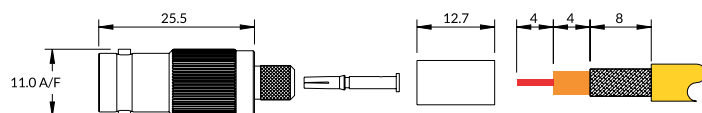


Figure 1

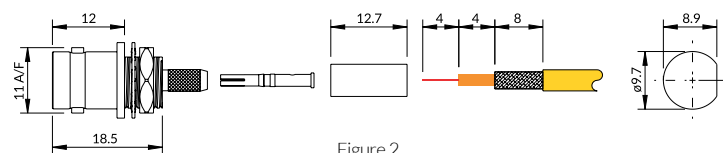


Figure 2

Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details

Straight crimp bulkhead jack rear mount.

These rear mount crimp cable jacks are available for either direct mounting to a panel or with an insulated body.

Centre contacts are all gold plated and outer contact is nickel plated.

See table below for crimp sizes, suitable tooling can be found in the Accessories & Tooling section of this catalogue.

All bulkhead mounted variants are fitted with a sealing ring giving IP64 protection against the panel, and include a nut and lock washer.

Figure 1

Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------------------------------|
| 10-254-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 10-254-A3-AU | RG400, RG142 | AU | 0.95 | 3.1 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 10-254-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 10-256-A0-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1 4 Part* |
| 10-264-B3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.73 Hex | 5.41 Hex | Figure 1 Bullet Contact |
| 10-258-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 2 Insulated |
| 10-260-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 2 Insulated 4 Part * |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.

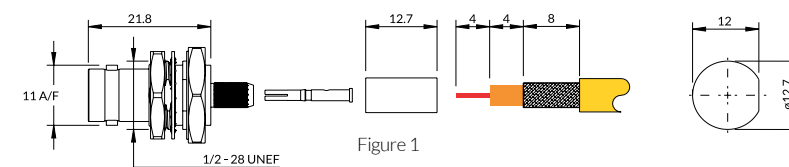


Figure 1

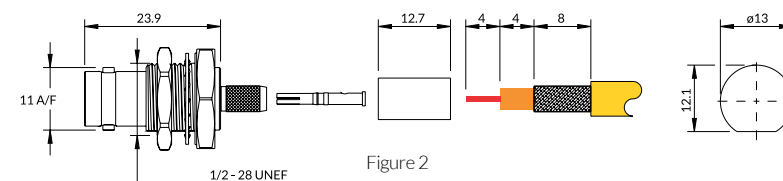


Figure 2

Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details

Straight solder jack front mount bulkhead.

These bulkhead jacks come in both insulated and non-insulated versions. The threaded bodies have either single or double D flat to prevent rotation when mounted in a matching panel hole.

All connectors are supplied with a nut and lock washer, and where indicated a solder tag.

Centre contacts are gold plated, other body parts are plated with nickel.



Figure 1



Figure 2

| Part Number | Drawing dimension (mm) | | | Centre Contact | Features |
|--------------|---------------------------|-----|------|----------------|--|
| A | B | C | | | |
| 10-352-A3 | 10 | 4.7 | 12.5 | Solder | Figure 1 Solder tag |
| 10-352-A3-33 | 10 | 4.7 | 33 | Solder | Figure 1 Long Body, solder tag |
| 10-355-B3 | 10 | 4.7 | 12.5 | Solder | Figure 1 Double D Flat, no solder tag |
| 10-351-K3 | See outline drawing below | | | Solder | Figure 2 Insulated, no solder tag |

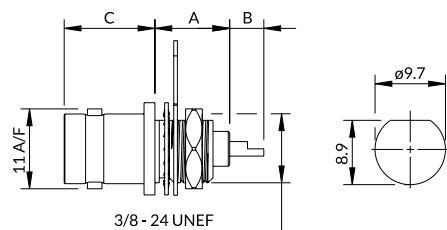


Figure 1

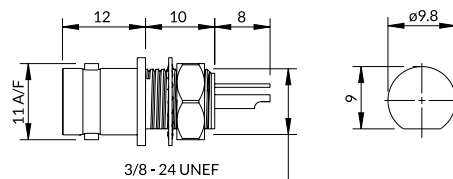


Figure 2

4 hole flange mount jack.

Cable mounted jack having the flange drilled with 4 mounting holes. A suitable panel cut out is shown in the outlines below.

Options include full crimp assembly to coaxial cable or with solder bucket termination.

Centre contacts are gold plated and the body nickel plated.

See table below for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

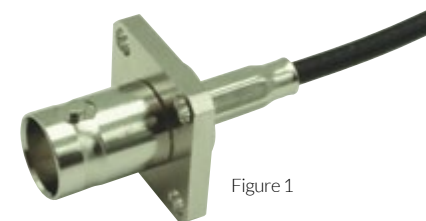


Figure 1



Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|---------------------------------|------------|--------|----------------|---------------|----------|
| | | | Conductor | Insulation | Jacket | | | |
| 10-278-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 10-278-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 10-371-B3 | | | | | | Solder | | Figure 2 |

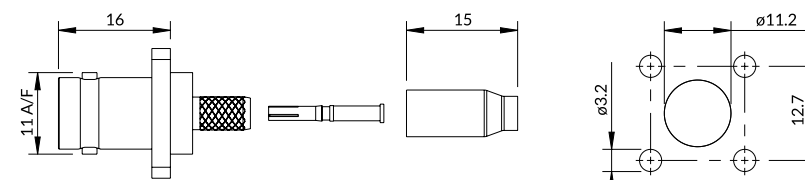


Figure 1

Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

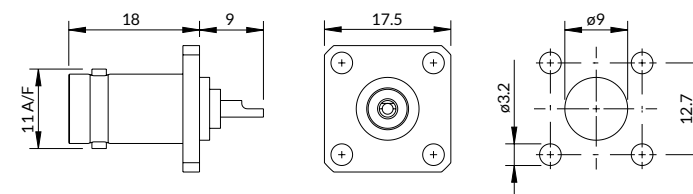


Figure 2



Figure 1

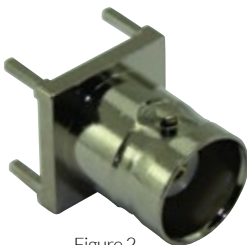


Figure 2

Straight PCB jack.

Straight PCB through hole soldered connectors, with either round or a large square base. Square base version offers increased stability during assembly and wave soldering. Centre contacts are gold plated, bodies are nickel plated.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|-----------------------------|
| 10-450-B3 | Solder | Solder | Figure 1 Tray pack of 80 |
| 10-473-A3 | Solder | Solder | Figure 2 Square Flange |

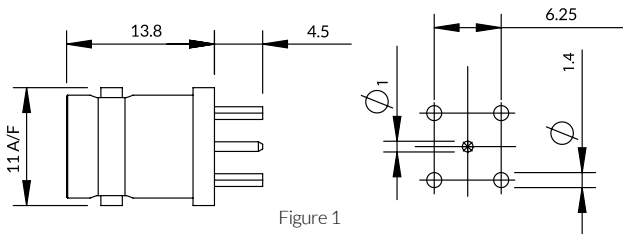


Figure 1

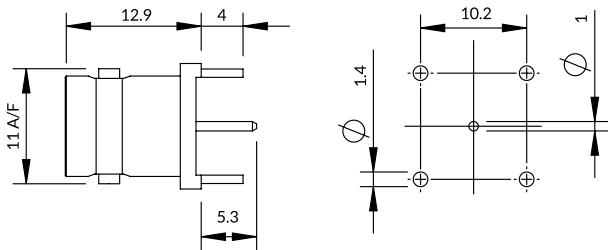


Figure 2

Right angle PCB jack.

This selection of right angle PCB connectors includes low profile and insulated versions. Through hole solder pegs on the main body provide support to the connector during assembly and wave soldering.

All right angle bulkhead connectors are supplied with nut and lock washer. Centre contacts are gold plated, the outer contact and other metal body parts are gold or nickel plated.



Figure 1



Figure 2



Figure 3

| Part Number | Dimension A | Dimension B | Centre Contact | Outer Contact | Features |
|-------------|-------------|-------------|----------------|---------------|--|
| 10-456-A5 | 7.1 | 12.9 | Solder | Solder | Figure 1 Low Profile |
| 10-468-A5 | 8.2 | 15.2 | Solder | Solder | Figure 2 |
| 10-468-D5 | 8.2 | 15.2 | Solder | Solder | Figure 2 Gold plated |
| 10-471-K5 | 6.9 | 13.1 | Solder | Solder | Figure 3 Low Profile Insulated Body |

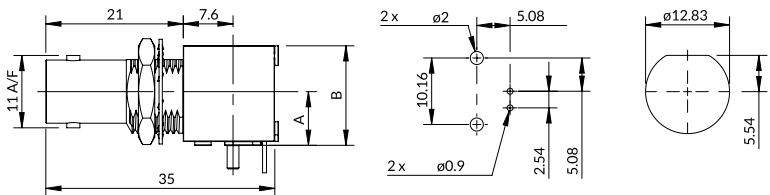


Figure 1, 2, 3

Adaptors.

Adaptors in a range of configurations for connection within the BNC series.
For connecting BNC to other coaxial connector types, see our range of Inter Series Adaptors.

All adaptors have gold plated centre contacts with nickel plated bodies.

Figure 1

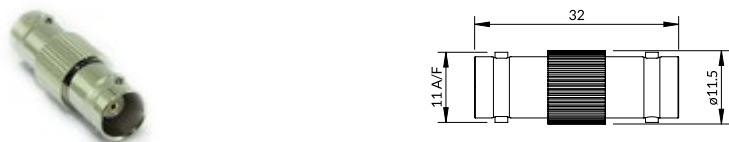


Figure 2

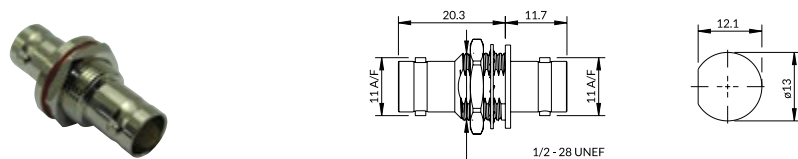


Figure 3

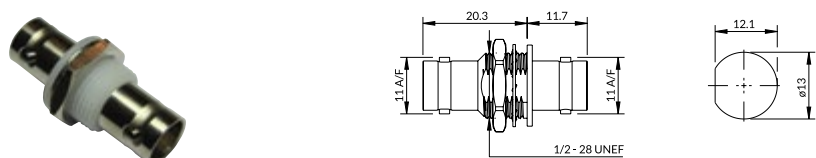


Figure 4



Figure 5



Figure 6



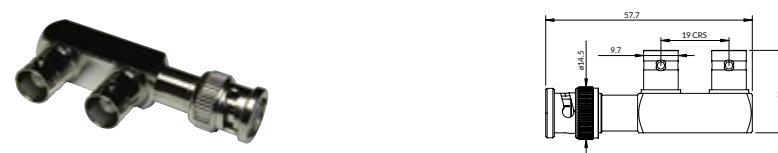
Figure 7



Figure 8



Figure 9



| Part Number | | Interface Arrangement | | | Figure | Features |
|-------------|---------------------|-----------------------|--------|-------|--------|--------------------------|
| | | Left | Centre | Right | | |
| 10-500-A3 | Straight Adaptor | Jack | | Jack | Fig. 1 | |
| 10-501-A3 | Straight Adaptor | Jack | | Jack | Fig. 2 | Bulkhead Mount |
| 10-503-A3 | Straight Adaptor | Jack | | Jack | Fig. 3 | Insulated Bulkhead Mount |
| 10-514-A3 | Straight Adaptor | Plug | | Plug | Fig. 4 | |
| 10-520-A3 | Right Angle Adaptor | Plug | | Jack | Fig. 5 | |
| 10-522-A3 | 3 Port Adaptor | Jack | Jack | Jack | Fig. 6 | 'T' Style |
| 10-523-A3 | 3 Port Adaptor | Jack | Plug | Jack | Fig. 7 | 'T' Style |
| 10-526-A3 | 3 Port Adaptor | Plug | Jack | Jack | Fig. 8 | Goalpost style |
| 10-527-A3 | 3 Port Adaptor | Jack | Jack | Plug | Fig. 9 | 'F' Style |



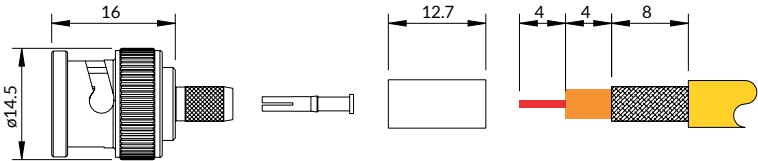
RP straight crimp plug.

50 ohm BNC Reverse Polarity plugs are identical to standard BNC plugs except that the interface gender is reversed.

Reverse polarity connectors are ideal where 2 independent lines are mounted on the same panel and it is important to ensure that they can not be incorrectly mated.

See table below for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|-----|----------------|---------------|------------------|
| 11-005-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Reverse Polarity |
| 11-005-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Reverse Polarity |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



Special note.
Other reverse polarity connectors are available in TNC and SMA series, details of which are shown at the end of the relevant section.



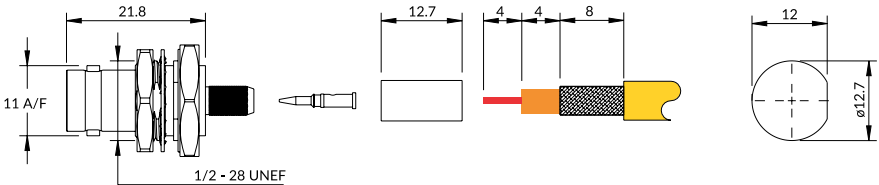
RP straight crimp bulkhead jack, rear mount.

These reverse polarity jacks are identical to the standard versions except that the interface gender is reversed. They are ideal where 2 lines are mounted on the same panel and it is important to ensure that they can not be incorrectly mated.

All bulkhead mounted variants are fitted with a sealing ring giving IP64 protection against the panel, and include a nut and lock washer.

See table below for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|-----|----------------|---------------|------------------|
| 11-254-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Reverse Polarity |
| 11-254-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Reverse Polarity |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



Remember.
COAX Connectors can supply fully tested cable assemblies. Please contact us to discuss your requirements.



BNC 75 ohm connectors.

COAX Connectors offer an extensive range of standard 75 ohm BNCs, together with Mini and Micro (aka HD-BNC) series. Many BNCs offered to the market as '75 ohm' are 50 ohm connectors that fit to 75 ohm cables and offer only limited RF and digital transmission capability. The True 75 ohm BNCs offered by COAX Connectors include the gold/black 'KORUS' range (see page 8) which are designed to perform at frequencies up to 6GHz and beyond.

Our 75 ohm BNCs are widely used in broadcast applications for the transmission of HD-SDI 1080p, SMPTE 292M & 424M and 4K picture quality.

75 ohm BNCs are also widely used in telecommunications and other general purpose applications all around the world, and our range will fit a wide range of popular cables using either crimp, clamp and Twist-On assembly methods.

A variety of options for panel and PCB mounting are available including the popular edge mounted styles.

Key features:

True 75 ohm options
6 GHz for 4K Video
Wide range of cables covered
Cable assemblies on request

| BNC index | Page |
|--|--------------|
| BNC 75 ohm | 28-41 |
| Crimp plugs | 30-31 |
| Straight solder/clamp and Twist-On plugs | 32 |
| Right angle crimp plug | 33 |
| Straight crimp jack | 34 |
| Straight bulkhead rear mount crimp jack | 35 |
| Straight bulkhead front mount solder jacks | 36 |
| Straight PCB through hole solder | 37 |
| PCB end launch bulkhead mount | 37 |
| Right angle PCB through hole solder bulkhead mount | 38 |
| Right angle PCB 6GHz bulkhead mount | 39 |
| Right angle PCB - bulkhead mount with light pipe | 39 |
| Adaptors | 40-41 |
| BNC 50 ohm | 12-27 |
| Mini BNC 75 ohm | 42-45 |
| Micro BNC 75 ohm | 46-51 |



New connectors.

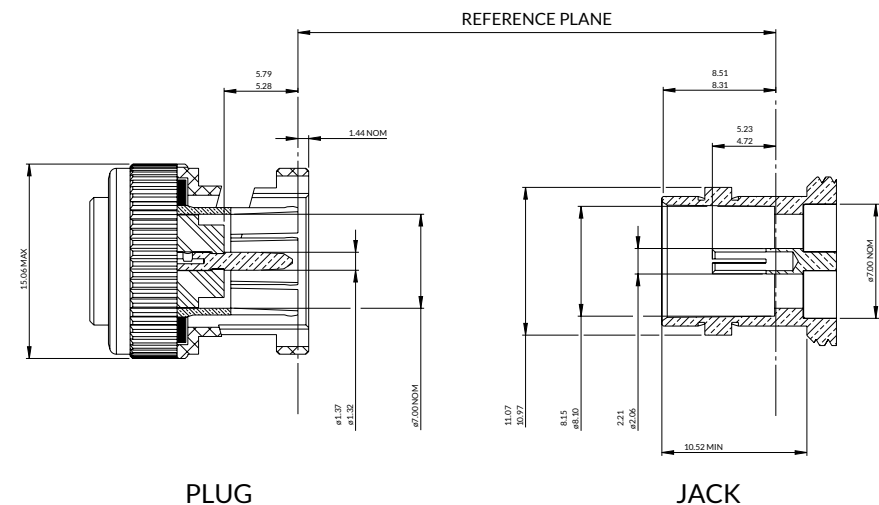
We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Specification.

| Electrical Specification | | Environmental Specification | |
|------------------------------|-------------|-----------------------------|-----------------------|
| Impedance | 75 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 6 GHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 1500 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-8 | Centre Contact | Brass/Phosphor Bronze |
| RoHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE/Delrin |
| Contact Retention | 15N min | Bayonet Cap | Zinc/Brass |
| Mating Force | <20N max | Centre Contact Plating | Gold |
| Uncoupling Force | >2.2N min | Outer Contact Plating | Nickel/Gold |

The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090

BNC 75 ohm interface.



PLUG

JACK



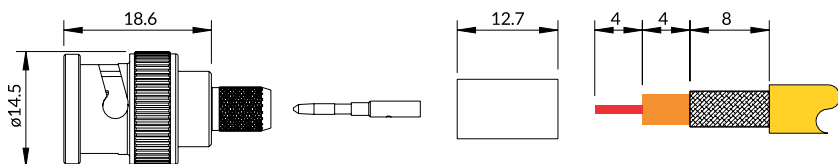
Crimp plugs.

The extensive range of 75 ohm BNCs covers all requirements from general purpose communications connections to high performance True 75 ohm Broadcast and Telecom applications.

Inner contacts are gold plated, outer contacts are nickel plated or, in the case of the 6GHz KORUS connectors, gold plated. The crimp sleeve and inner contact are annealed to provide optimum crimping performance, and designs to suit the cables listed, are available.

Outwardly, the True 75 ohm BNCs may not look any different from a general purpose BNC, however what is inside makes the difference. The design of the internal dimensions and the connector construction are carefully optimised to make our True 75 ohm BNC suitable for the demands of 'High Definition and Beyond'. Detailed performance data is available on request.

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|---|---|-------------|---|-----|-----|----------------|---------------|------------------------------|
| 6GHz Crimp Plugs - True 75 ohm, including 'KORUS' range | | | | | | | | |
| 10-005-D66-FA | 1855ENH, 0.6/2.8AF, BDS00, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | |
| 10-005-W66-FA | 1855ENH, 0.6/2.8AF, BDS00, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | 'KORUS' (Black Coupling Nut) |
| 10-005-D66-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-005-W66-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | 'KORUS' (Black Coupling Nut) |
| 10-005-D66-FC | 1694A/F, 1.0/4.8AF, BDS011, Image1000 | FC | 1 | 4.8 | 7 | 1.72 Hex | 8.23 Hex | |
| 10-005-W66-FC | 1694A/F, 1.0/4.8AF, BDS011, Image1000 | FC | 1 | 4.8 | 7 | 1.72 Hex | 8.23 Hex | 'KORUS' (Black Coupling Nut) |
| 10-005-B36-FD | 7731A, 1.6/7.3AF, Image2000 | FD | 1.6 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 10-005-W66-FD | 7731A, 1.6/7.3AF, Image2000 | FD | 1.6 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | 'KORUS' (Black Coupling Nut) |



Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------------------------|---|----------------|--|-----|-----|-------------------|------------------|--------------------|
| 3GHz Crimp Plugs - True 75 ohm | | | | | | | | |
| 10-005-B36-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 3.25 Hex | |
| 10-005-T36-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 3.25 Hex | Black Coupling Nut |
| 10-005-B36-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-005-T36-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | Black Coupling Nut |
| 10-005-B36-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 6.50 Hex | ** |
| 10-005-T36-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 5.41 Hex | Black Coupling Nut |
| 10-005-B36-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.46 Hex | 4.52 Hex | ** |
| 10-005-B36-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 1.46 Hex | 5.18 Hex | |
| 10-005-B36-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 1.07 Sq | 3.25 Hex | |
| 10-005-B36-EG | 59U Quad | EG | 0.8 | 3.6 | 7 | 1.72 Hex | 8.23 Hex | |
| 10-005-T36-EG | 59U Quad | EG | 0.8 | 3.6 | 7 | 1.72 Hex | 8.23 Hex | Black Coupling Nut |
| 10-005-B36-FA | 1855ENH, 0.6/2.8AF, BDS00, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | ** |
| 10-005-T36-FA | 1855ENH, 0.6/2.8AF, BDS00, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | Black Coupling Nut |
| 10-005-B36-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-005-T36-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | Black Coupling Nut |
| 10-005-B36-FC | 1694A/F, 1.0/4.8AF, BDS011, Image1000 | FC | 1 | 4.5 | 7 | 1.72 Hex | 8.23 Hex | ** |
| 10-005-T36-FC | 1694A/F, 1.0/4.8AF, BDS011, Image1000 | FC | 1 | 4.5 | 7 | 1.72 Hex | 8.23 Hex | Black Coupling Nut |
| 10-005-B36-FE | Belden 1505F, BD SD50F | FE | 0.8 | 3.6 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-005-B36-FF | DRAKA 1.2L/4.8DZ | FF | 1.2 | 4.8 | 7 | 1.72 Hex | 8.23 Hex | |
| 10-005-B36-FH | Conduclif 14510 & 14511 | FH | 1.4 | 6.4 | 9.2 | 2.54 Hex | 10.9 Hex | |

Standard 75 ohm Crimp Plugs

| | | | | | | | | |
|--------------|---------------------------|----|-----|-----|----|----------|-----------|---------|
| 10-006-A0-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.72 Hex | 5.41 Hex | 4 Part* |
| 10-005-A0-AF | Mini RG59 Black | AF | 0.6 | 2.9 | 4 | 1.72 Hex | 5.41 Hex | |
| 10-005-A0-AG | Mini RG59 White | AG | 0.4 | 1.9 | 4 | 1.72 Hex | 5.41 Hex | |
| 10-005-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-005-A0-AJ | RG59 DB | AJ | 0.6 | 3.7 | 6 | 1.72 Hex | 8.23 Hex | |
| 10-005-B6-BA | BT2001 | BA | 0.6 | 2.4 | 4 | 1.46 Hex | 5.18 Hex | |
| 10-005-A6-BB | BT2002 | BB | 0.6 | 2.4 | 5 | 1.46 Hex | 5.18 Hex | |
| 10-005-A0-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 6.50 Hex | |
| 10-005-A7-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.46 Hex | 4.52 Hex | ** |
| 10-005-A0-CA | CT100, RG6, WSC100 | CA | 1 | 4.6 | 7 | 1.72 Hex | 8.05 Hex | |
| 10-005-A0-CB | CT100RBS | CB | 1 | 4.6 | 9 | 1.93 Hex | 8.60 Hex | |
| 10-005-A0-CC | CT125 | CC | 1.3 | 5.5 | 8 | 1.93 Hex | 8.60 Hex | |
| 10-005-A0-CD | CT125RBS | CD | 1.3 | 5.6 | 10 | 1.93 Hex | 9.96 Hex | |
| 10-006-A0-CE | CT167 | CE | 1.7 | 7.2 | 10 | 1.72 Hex | 10.9 Hex | 4 Part* |
| 10-006-A0-CF | CT167RBS | CF | 1.7 | 7.2 | 12 | 1.72 Hex | 11.94 Hex | 4 Part* |
| 10-005-B6-DL | LMR200-75 | DL | 0.6 | 2.9 | 5 | 1.72 Hex | 5.41 Hex | |
| 10-005-A9-DN | LMR400-75 | DN | 1.7 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | *** |
| 10-005-B3-EH | Flex3 | EH | 0.4 | 2.3 | 4 | 1.07 Sq | 4.52 Hex | |
| 10-005-A6-GA | PSF 1/2 | GA | 0.8 | 4.8 | 7 | 1.72 Hex | 8.23 Hex | |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly

**Also available in bulk packs

***Soldering of centre conductor is recommended for optimum performance

Straight solder/clamp and Twist-On plugs.

Figure 1

Solder/Clamp plugs with Top Hat are simple to terminate; strip the cable to the dimensions shown, solder the contact and follow the assembly instructions to prepare the braid and clamp the jacket, complete the termination.

Twist-On BNC plugs do not require any special tooling to assemble them onto a cable. Simply strip the cable to the dimensions shown and follow the assembly instructions to complete the simple termination.

Centre contacts are gold plated, other body parts are nickel plated.

Figure 2

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---|-------------|---|-----|----|----------------|--|----------|
| 10-001-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | Solder | Clamp | Figure 1 |
| 10-004-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | Twist-On | Twist-On | Figure 2 |
| 10-004-A0-AJ | RG59 DB | AJ | 0.6 | 3.7 | 6 | Twist-On | Twist-On | Figure 2 |
| 10-004-A0-CB | CT100RBS | CB | 1 | 4.6 | 9 | Twist-On | Twist-On | Figure 2 |
| 10-004-A0-CD | CT125RBS | CD | 1.3 | 5.6 | 10 | Twist-On | Twist-On | Figure 2 |
| 10-021-A0-CA | CT100, RG6, WSC100 | CA | 1 | 4.6 | 7 | Solder | Secure-Fit not shown, ask for data sheet | |

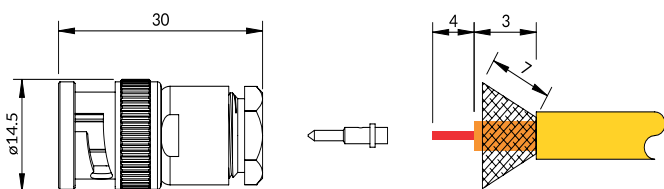


Figure 1

Assembly Procedure - AP010, see www.coax-connectors.com/ap for details

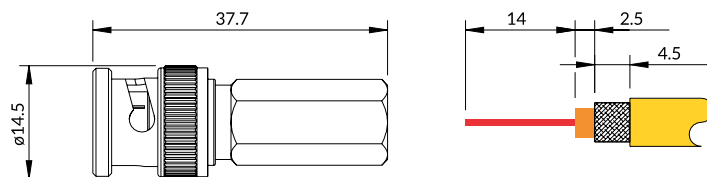


Figure 2

Assembly Procedure - AP043, see www.coax-connectors.com/ap for details

Right angle crimp plug.

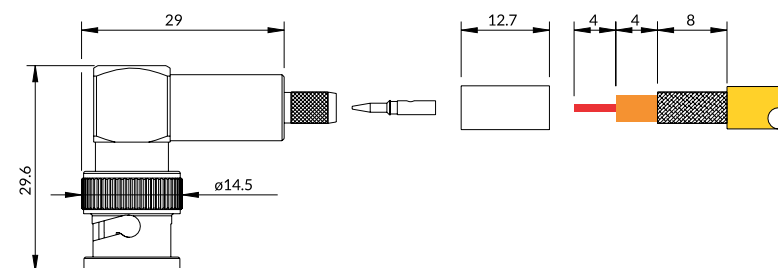
Right angle full crimp plugs feature a 2 part gold plated centre contact. The loose contact is crimped to the cable and when inserted into the rear connector body it mates with the fixed contact. This design offers improved RF performance as the right angle portion of the contact is swept to provide a smooth transition.

See table below for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---|-------------|---|-----|-----|----------------|---------------|----------|
| 10-104-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-104-A0-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 6.50 Hex | |
| 10-104-A0-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.46 Hex | 4.52 Hex | |
| 10-104-A0-FA | 1855ENH, 0.6/2.8AF, BDS-D0, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | |
| 10-106-A0-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.72 Hex | 5.41 Hex | 4 Part* |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.



Assembly Procedure - AP019 AP002 (4 Part), see www.coax-connectors.com/ap for details

Straight crimp jack.

The range of full crimp straight jacks includes free cable variants and bulkhead mount variants shown on the page opposite.

Within the range is the option to choose either standard jacks or the True 75 ohm versions which are specially designed to give improved performance when used at higher frequencies or in High Definition Broadcast systems.

See table below for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

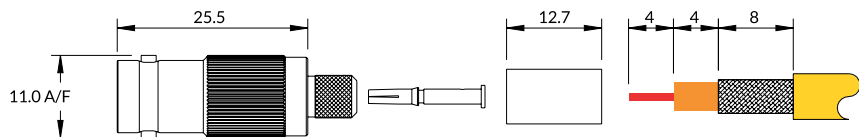
The bulkhead rear mount jacks, on the opposite page, are all fitted with an IP64 panel seal and are supplied with a fixing nut and lock washer.

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------------------------|---|-------------|--|-----|-----|----------------|---------------|----------|
| 3GHz Crimp Jacks - True 75 ohm | | | | | | | | |
| 10-054-B36-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.72 Hex | 5.41 Hex | 5 part* |
| 10-054-B36-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-054-B36-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 6.50 Hex | |
| 10-054-B36-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.46 Hex | 4.52 Hex | |
| 10-054-B36-FA | 1855ENH, 0.6/2.8AF, BDSO, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | |

Standard 75 ohm Crimp Jacks

| | | | | | | | | |
|---------------|------------------------------------|----|-----|-----|-----|----------|----------|---------|
| 10-054-A0-AG | Mini RG59 White | AG | 0.4 | 1.9 | 4 | 1.72 Hex | 5.41 Hex | |
| 10-054-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | |
| 10-054-A0-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 5.41 Hex | |
| 10-054-A0-FA | 1855ENH, 0.6/2.8AF, BDSO, Image360 | FA | 0.6 | 2.8 | 4.5 | 1.72 Hex | 5.41 Hex | |
| 10-055-A0-AB | RG179, RG187 Belden179DT | AB | 0.3 | 1.5 | 3 | 1.72 Hex | 5.41 Hex | 4 Part* |
| 10-055-B36-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 1.46 Hex | 5.18 Hex | |
| 10-056-B36-AB | RG179, RG187 Belden179DT | AB | 0.3 | 1.5 | 3 | 1.72 Hex | 5.41 Hex | 4 Part* |
| 10-056-B36-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 1.46 Hex | 3.25 Hex | 4 Part* |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly; '5 Part' has an additional sleeve.



Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details

Straight bulkhead rear mount crimp jack.

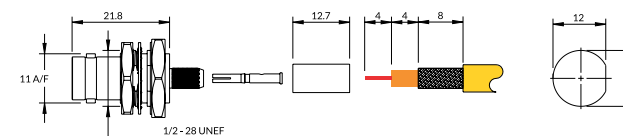


Figure 1

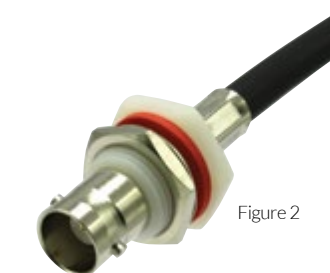
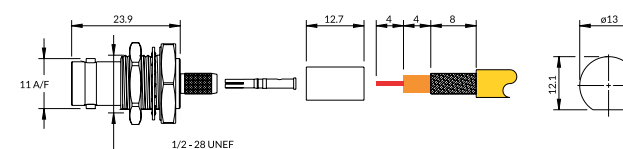


Figure 2

Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------------------------|---|-------------|---|-----|---|----------------|---------------|---------------------|
| 3GHz Crimp Jacks - True 75 ohm | | | | | | | | |
| 10-258-B36-FA | 1855ENH, 0.6/2.8AF, BDSO, Image360 | FA | 0.6 | 2.8 | 4 | 1.72 Hex | 5.41 Hex | Insulated, Figure 2 |
| 10-258-B36-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | Insulated, Figure 2 |
| 10-258-B36-FC | 1694A/F, 1.0/4.8AF, BDSO11, Image1000 | FC | 1 | 5 | 7 | 1.72 Hex | 8.23 Hex | Insulated, Figure 2 |
| 10-254-B36-FA | 1855ENH, 0.6/2.8AF, BDSO, Image360 | FA | 0.6 | 2.8 | 4 | 1.72 Hex | 5.41 Hex | Figure 1 |
| 10-282-B36-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 1.07 Sq | 3.25 Hex | 5 Part*, Figure 1 |

Standard 75 ohm Crimp Jacks

| | | | | | | | | |
|---------------|---------------------------------------|----|-----|-----|---|----------|----------|---------------------|
| 10-254-A0-AG | Mini RG59 White | AG | 0.4 | 1.9 | 4 | 1.72 Hex | 5.41 Hex | Figure 1 |
| 10-254-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | Figure 1 |
| 10-254-A0-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.46 Hex | 5.41 Hex | Figure 1 |
| 10-254-A0-FA | 1855ENH, 0.6/2.8AF, BDSO, Image360 | FA | 0.6 | 2.8 | 4 | 1.72 Hex | 5.41 Hex | Figure 1 |
| 10-254-A6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.46 Hex | 4.52 Hex | Figure 1 |
| 10-256-A0-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.72 Hex | 5.41 Hex | 4 Part*, Figure 1 |
| 10-258-A3-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | Insulated, Figure 2 |
| 10-258-B36-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 1.72 Hex | 6.50 Hex | Insulated, Figure 2 |
| 10-258-B36-FC | 1694A/F, 1.0/4.8AF, BDSO11, Image1000 | FC | 1 | 5 | 7 | 1.72 Hex | 8.23 Hex | Insulated, Figure 2 |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly; '5 Part' has an additional sleeve.



Figure 1



Figure 2



Figure 3

Straight bulkhead front mount solder jacks, insulated and non-insulated.

Options available include insulated and non-insulated styles. All are fitted with gold plated centre contacts, other body parts are nickel plated.

Centre conductor connection is to a solder bucket and the ground connection is through a ring solder tag or integral solder spill on the insulated version.

All have D or double D flats on the body for anti rotation when mounted in a matching panel hole.

| Part Number | Drawing dimension | | | Centre Contact | Features |
|-------------|----------------------|------|------|----------------|---|
| | A | B | C | | |
| 10-350-A3 | 15.5 | 3.25 | 12.5 | Solder | Figure 2 - Long Body |
| 10-350-B6 | 10 | 4.7 | 12.5 | Solder | Figure 1 |
| 10-355-B6 | 10 | 4.7 | 12.5 | Solder | Figure 1 Double D Flat No solder tag |
| 10-351-K6 | See Outline Figure 3 | | | Solder | Figure 3 - Insulated |

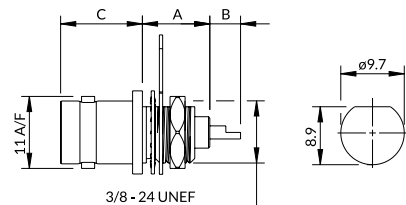


Figure 1 & 2

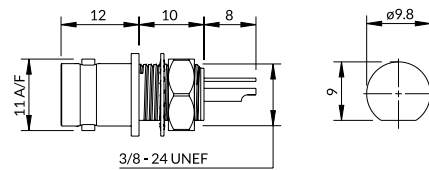


Figure 3

Straight PCB through hole solder.

A selection of straight PCB connectors with a range of performance levels including a True 75 ohm version for use up to 4.5GHz.

Body styles with differing heights and base thickness, and one with the legs rotated through 45 degrees are included. Centre contacts are all gold plated.



| Part Number | Drawing dimension | | Features |
|-----------------|-------------------|-----|--|
| | A | B | |
| 10-450-B36-13.8 | 13.8 | 4.5 | Figure 1 - True 75 ohm |
| 10-450-B6 | 13.8 | 4.5 | Figure 1 |
| 10-491-B6 | 18.7 | 4.5 | Figure 1 |
| 10-491-B6-45 | 18.7 | 4.5 | As Figure 1 with legs 45° rotated relative to lugs |
| 10-452-A6 | 27.8 | 4.5 | Figure 2 |
| 10-452-B6 | 20.0 | 4.5 | Figure 2 |

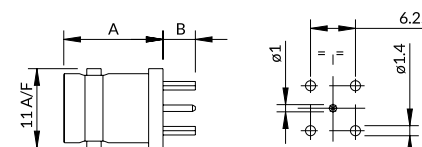


Figure 1

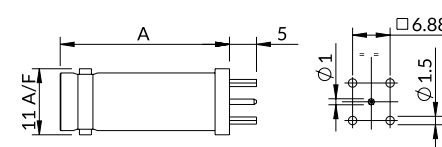


Figure 2

PCB end launch bulkhead mount.

PCB mounting connectors for edge mounting to a 1.6 mm thick board. These connectors are soldered directly to solder pads on the edge of the board, offering significant space saving when compared with right angle through hole soldered versions. Supplied with nut and lock washer for panel mounting.

Available in True 75 ohm versions, the 'Korus' Gold plated option is suitable for use up to 6GHz. See page 8 for more information on 'KORUS'.



| Part Number | Centre Contact | Outer Contact | Features |
|--------------------|----------------|---------------|---|
| 10-462-B36 - 1.6 | Solder | Solder | True 75 ohm - 3GHz - Nickel Plated Body |
| 10-462-1-D36 - 1.6 | Solder | Solder | 'KORUS' True 75 ohm - 6GHz - Gold Plated Body |
| 10-462-D6 | Solder | Solder | Nickel Plated Body |

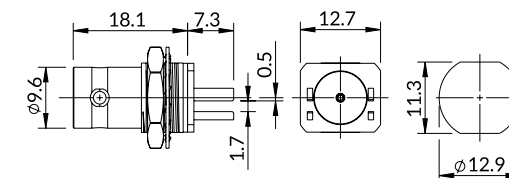




Figure 1

Right angle PCB through hole solder bulkhead mount.

This selection of right angle PCB connectors includes low profile and insulated versions.

Through hole solder pegs on the main body provide support to the connector which can be bulkhead mounted using the supplied nut and lock washer.

Centre contacts are gold plated, metallic body parts are nickel plated.

To assist during assembly 10-466-1-AB is fitted with boardlock pegs that hold the connector firmly in place before soldering.

Connectors are supplied complete with nut and lock washer.

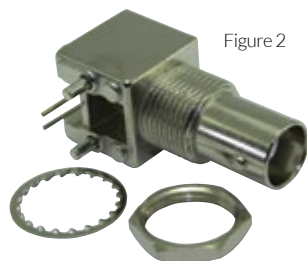


Figure 2



Figure 3

| Part Number | Dimension A | Dimension B | Centre Contact | Outer Contact | Features |
|-------------|-------------|-------------|----------------|---------------|---------------------------|
| 10-466-A8 | 7.1 | 12.9 | Solder | Solder | Figure 1 - Low Profile |
| 10-468-A8 | 8.2 | 15.2 | Solder | Solder | Figure 2 |
| 10-466-1-A8 | 8.2 | 15.2 | Solder | Solder | Figure 2 * |
| 10-471-K6 | 6.9 | 13.1 | Solder | Solder | Figure 3 - Insulated body |

*10-466-1-AB is fitted with Board Locks in place of solder pegs that are not shown in the picture

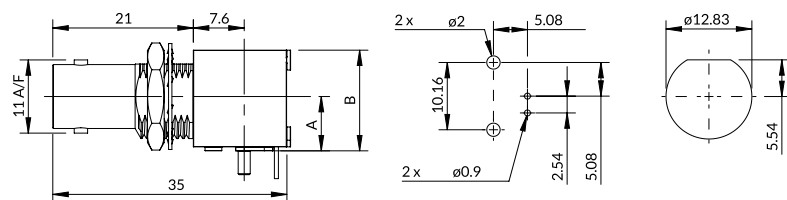


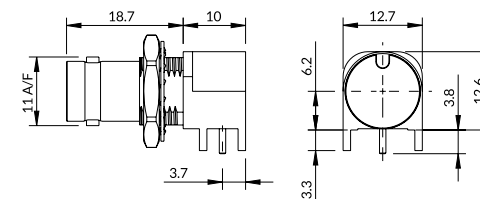
Figure 1, 2, 3

Right angle PCB 6GHz bulkhead mount.

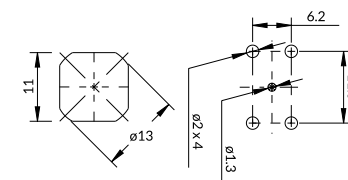
This right angle PCB connector is designed to give True 75 ohm performance offering exceptional low return loss across the frequency range. The fully machined body, with either gold or nickel plating, and swept gold plated centre contact ensures optimum performance up to 6GHz and beyond.

This connector is ideal for use in 4K High Definition broadcast routers performing to SMPTE, and other 75 ohm low loss signal applications.

| Part Number | Features |
|-------------|--|
| 10-416-B66 | 6GHz Nickel plated |
| 10-416-D66 | 'KORUS' 6 GHz Gold plated with Black nut |



NEW 'KORUS' 6GHz
See page 8

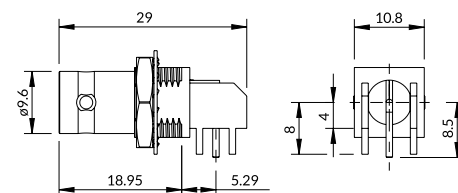


Right angle PCB - bulkhead mount with light pipe.

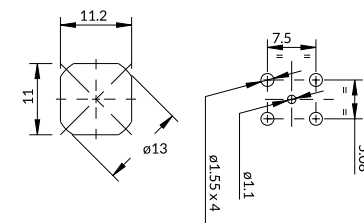
This connector is designed with an insulator that allows light to pass through the interface. With an LED positioned on the PCB, behind the connector, the light source can be used to signal the current status of this port when unmated.

The LIGHT PIPE feature is ideal for locating the appropriate connector port on equipment panel arrays.

| Part Number | Features |
|--------------|---|
| 10-470-1-X36 | 3GHz Gold plated contact with Nickel plated body |



NEW 3GHz



Adaptors.

Adaptors in a range of configurations for connection within the BNC series. For connecting BNC to other coaxial connector types, see our range of Inter Series Adaptors.

All adaptors have gold plated centre contacts.

Figure 1



Figure 2

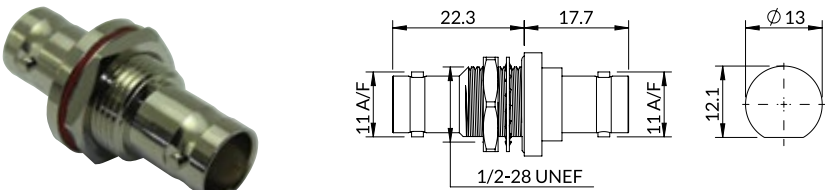


Figure 3

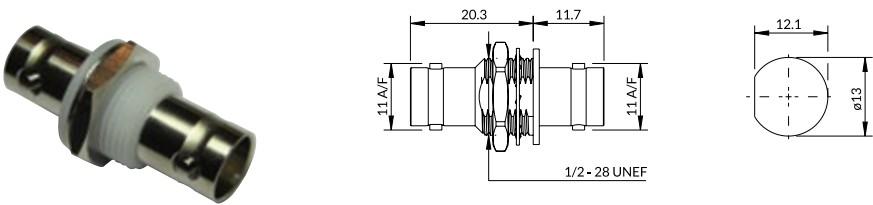


Figure 4

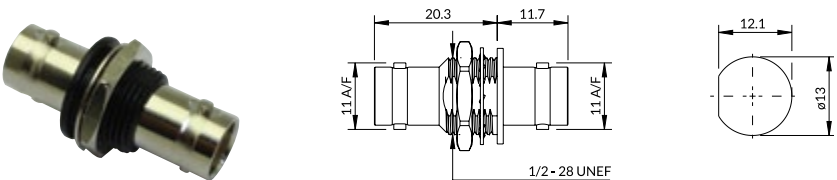


Figure 5



Figure 6



Figure 7



| Part Number | Figure | Description | Interface Arrangement Left | Interface Arrangement Right | Features |
|-------------|--------|-------------------------------------|----------------------------|-----------------------------|--|
| 10-500-B36 | Fig. 1 | Straight Adaptor | Jack | Jack | 3GHz |
| 10-500-B66 | Fig. 1 | Straight Adaptor | Jack | Jack | 6GHz |
| 10-501-A6 | Fig. 2 | Straight Bulkhead Adaptor | Jack | Jack | Bulkhead |
| 10-501-B36 | Fig. 2 | Straight Bulkhead Adaptor | Jack | Jack | Bulkhead 4.5GHz |
| 10-503-A6 | Fig. 3 | Straight Bulkhead Adaptor | Jack | Jack | Insulated Also available in pack of 50 |
| 10-503-B36 | Fig. 4 | Straight Bulkhead Adaptor | Jack | Jack | Insulated 4.5GHz |
| 10-550-B36 | Fig. 5 | Straight Bulkhead Insulated Adaptor | Jack | Jack | Insulated Push-Fit to panel 4.5GHz |
| 10-550-D66 | Fig. 5 | Straight Bulkhead Insulated Adaptor | Jack | Jack | 'KORUS' 6GHz see page 8 gold plated insulated Push-Fit to panel |
| 10-520-A0 | Fig. 6 | Right Angle Adaptor | Plug | Jack | |
| 10-520-W66 | Fig. 7 | Right Angle Adaptor | Plug | Jack | 'KORUS' 6GHz see page 8 |



Mini BNC 75 ohm connectors.

Mini BNC 75 ohm RF connector series is a smaller version of the standard BNC. At around 40% smaller than BNC, the jacks can be mounted on a 14mm pitch, this series is ideal where space is at a premium yet performance cannot be compromised.

Suitable for use up to 3GHz, Mini BNC is used in telecom, broadcast and security markets.

Key features:

True 75 ohm options

3 GHz for HD Video

Wide range of cables covered

Cable assemblies on request

Standard BNC

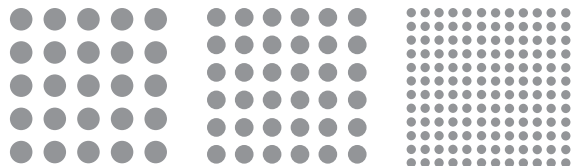
25 Connectors
96mm Sq Area

Mini BNC

36 Connectors
44% more
14mm Pitch

Micro BNC

144 Connectors
475% more
8mm Pitch



New connectors.

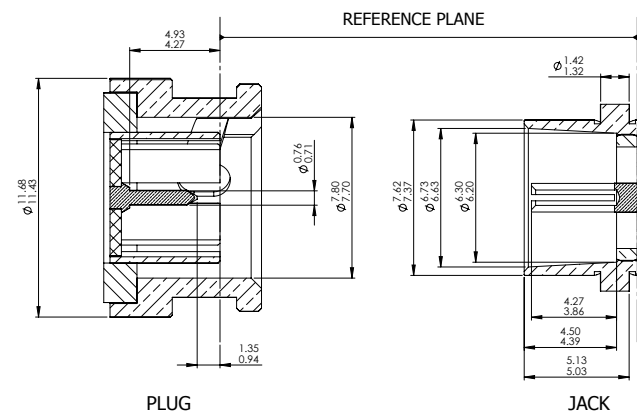
We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

| BNC index | Page |
|--|-------|
| Mini BNC 75ohm | 42-45 |
| Straight plugs | 44 |
| Straight bulkhead jacks, rear mount | 45 |
| BNC 50 ohm | 12-27 |
| BNC 75 ohm | 28-41 |
| Micro BNC 75 ohm | 46-51 |

Specification.

| Electrical Specification | | Environmental Specification | |
|---|-------------|-----------------------------|--------------------------|
| Impedance | 75 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 2GHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 1000 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | FCL 12563 | Outer Contact Plating | Nickel |
| RoHS Compliant | Yes | Centre Contact | Brass or Phosphor Bronze |
| Mating Cycles | 500 | Outer Contact | Brass |
| Contact Retention | 10N min | Insulator | PTFE |
| Mating Force | 6.7-22N max | Bayonet Cap | Brass |
| Un-coupling Force | 3.3N min | Centre Contact Plating | Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-conectors.com or call +44(0)20 8538 9090 | | | |

Mini BNC 75 ohm interface.



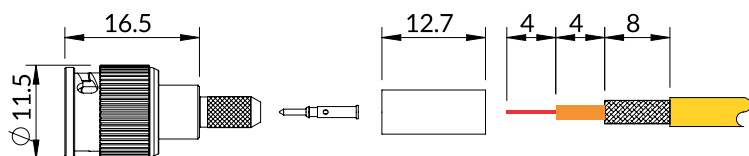


Straight plugs.

Mini BNC cable plugs fit a range of popular communications cables and being significantly smaller than standard BNCs, they make the perfect choice when space is limited. See also the smaller Micro BNC in the previous catalogue section.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue. Centre contacts are gold plated.

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact |
|--------------|---|-------------|--|-----|---|----------------|---------------|
| 63-005-A0-AG | Mini RG59 White | AG | 0.4 | 1.9 | 4 | 1.72 Hex | 5.41 Hex |
| 63-005-B6-AB | RG179, RG187 Belden179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 4.52 Hex |
| 63-005-B6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.07 Sq | 4.52 Hex |
| 63-005-B6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 1.07 Sq | 5.18 Hex |
| 63-005-B6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 1.07 Sq | 4.52 Hex |
| 63-005-B6-FA | 1855ENH, 0.6/2.8AF BDSD0, Image360 | FA | 0.6 | 2.8 | 4 | 1.07 Sq | 5.41 Hex |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

Straight bulkhead jacks, rear mount.

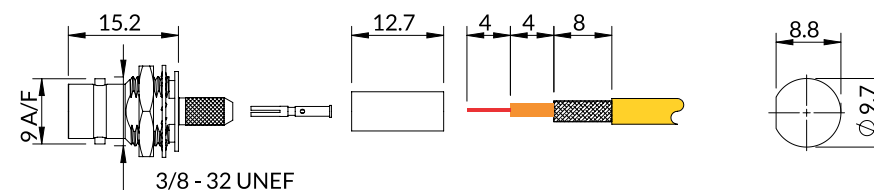
Mini BNC bulkhead jacks fit a range of popular communications cables. Being 40% smaller than standard BNCs, they make the ideal choice when panel space is restricted.

See also the smaller Micro BNC in the previous catalogue section.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue. Centre contacts are gold plated.



| Part Number | Typical Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact |
|--------------|--|-------------|--|-----|---|----------------|---------------|
| 63-254-B6-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 4.52 Hex |
| 63-254-B6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 1.07 Sq | 4.52 Hex |
| 63-254-B6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | Indent | 5.18 Hex |
| 63-254-B6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 1.07 Sq | 3.84 Hex |
| 63-254-B6-FA | 1855ENH, 0.6/2.8AF, BDSD0, Image360 | FA | 0.6 | 2.8 | 4 | 1.07 Sq | 5.41 Hex |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



Micro BNC 75 ohm connectors.

Micro BNC (also known as HD-BNC) connectors are designed for HD Broadcast, telecom, HDcctv, instrumentation and similar applications that require high performance in a high density package. Micro BNC are fully intermatable with other series of HD-BNC/High density BNC.

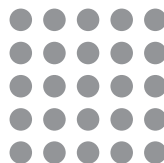
Exceeding the requirements of SMPTE 292M & 424M, these connectors are used in Full HD1080p (3G), HD-SDI and are fit for Ultra HD 4K applications. With a diameter of only 7.8 mm, mounting density is increased by more than 4 times when compared with a standard BNC. If space allows, the extended coupling nut enables the connectors to be mated and unmated without the use of a tool.

Key features:

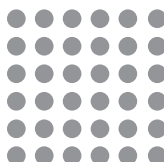
True 75 ohm options
6 GHz for 4K Video
Wide range of cables covered
Patented coupling nut for easy connection
Cable assemblies on request

| BNC index | Page |
|--|--------------|
| Micro BNC 75 ohm | 46-51 |
| Straight cable plugs | 48 |
| End launch PCB jack including light pipe | 49 |
| Straight PCB jacks | 50 |
| Right angle PCB jacks | 51 |
| 75 ohm termination | 51 |
| BNC 50 ohm | 12-27 |
| BNC 75 ohm | 28-41 |
| Mini BNC 75 ohm | 42-45 |

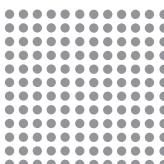
Standard BNC
25 Connectors
96mm Sq Area



Mini BNC
36 Connectors
44% more
14mm Pitch



Micro BNC
144 Connectors
475% more
8mm Pitch

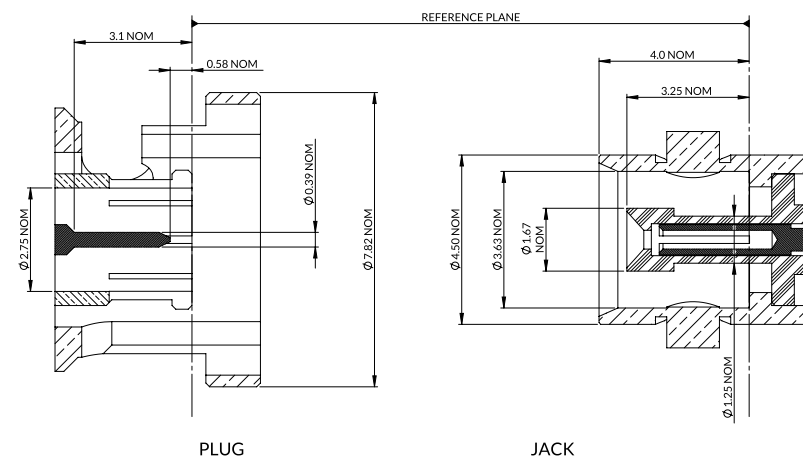


Specification.

| Electrical Specification | | Environmental Specification | |
|------------------------------|-------------|-----------------------------|-------------------|
| Impedance | 75 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 6GHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 1000 Veff | | |
| Insulation Resistance | 10000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design standard FCL 12767 | | Centre Contact | Beryllium Copper |
| RoHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 10N min | Bayonet Cap | Brass |
| Mating Force | 6.7-22N max | Centre Contact Plating | Gold |
| Un-coupling Force | 3.3N min | Outer Contact Plating | Nickel |

The above values are typical. Please check product data sheets for full details
- see www.coax-connectors.com or call +44(0)20 8538 9090

Micro BNC 75 ohm interface.



New connectors.

We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.



Straight cable plugs.

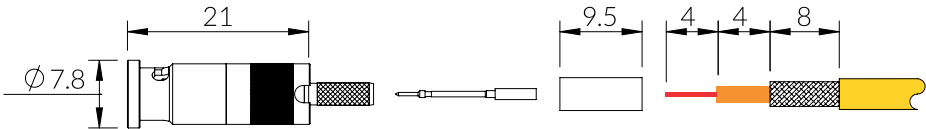
Micro BNC 75 ohm straight crimp plugs are True 75 ohm and designed for Full HD 1080p applications and general use up to 6GHz.

The unique patented COAX Connectors design has the coupling nut extended to the rear, which makes access for mating and unmating easier.

A special insertion and extraction tool (96-1132) that fits to this coupling nut is for use when packing density does not allow for finger access, details of this tool can be found in the Accessories & Tooling section of this catalogue.

With gold plated centre contact and annealed crimp zones these connectors offer a long term durable solution. Connectors to suit a range of cables are available, see table for details.

Suitable crimp tooling can be found in the Accessories & Tooling section of this catalogue.



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|-----------------|---|-------------|---|-----|---|----------------|---------------|----------------------------------|
| 67-005-B66-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | |
| 67-005-B66-EF | 1855A | EF | 0.6 | 2.5 | 4 | 0.95 Sq | 5.41 Hex | |
| 67-005-B66-FA | 1855ENH, 0.6/2.8AF, BDSD0, Image360 | FA | 0.6 | 2.8 | 4 | 0.95 Sq | 5.41 Hex | Also available in Bulk |
| 67-005-B66-1-FA | 1855ENH, 0.6/2.8AF, BDSD0, Image360 | FA | 0.6 | 2.8 | 4 | 0.95 Sq | 5.41 Hex | Centre contact plated 15µin gold |
| 67-005-B66-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 0.95 Sq | 6.48 Hex | |
| 67-005-B66-FC1 | 1694A & F, 1.0/4.8AF, BD SD11, Image1000 | FC | 1 | 5 | 7 | 1.07 Hex | 7.06 Hex | US standard crimp sizes |
| 67-005-B66-FE | 1505F, BD SD50F | FE | 0.8 | 3.6 | 6 | 0.95 Sq | 6.48 Hex | |

End launch PCB jack including light pipe.

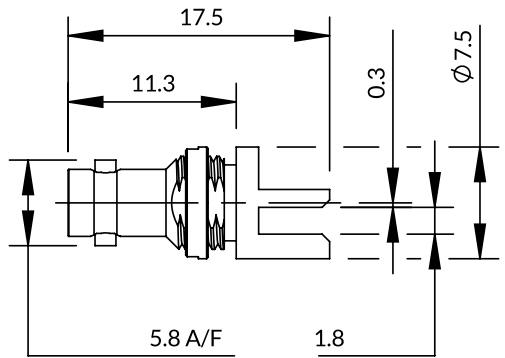
This 3GHz connector is available either as a standard edge mount connector, or one that is fitted with an insulator that allows light to pass through the interface. With an LED positioned on the PCB, behind the connector, the light source can be used to signal the current status of this port when unmated.

The LIGHT PIPE feature is ideal for locating the appropriate connector port on equipment panel arrays.

For edge mount soldering to a 1.6mm thick PCB, the connector includes a circular slotted fixing nut for bulkhead mounting. A tool for tightening this nut (96-1135) can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Centre Contact | Outer Contact | Features |
|--------------------|----------------|---------------|---|
| 67-463-D66 1.6mm | Solder | Solder | Board Edge fitting to 1.6mm Board |
| 67-463-1-D66-1.6mm | Solder | Solder | Board Edge fitting to 1.6mm Board with Light-Pipe insulator |



Straight
PCB jacks.

The straight PCB options include bulkhead mount and a 3 leg version for use where board tracking limits the use of a standard 4 leg version. The 3 leg version is optimised for use up to 6GHz.

All connectors have gold plated center contacts and bodies. The bulkhead mount version is supplied complete with a circular slotted fixing nut. A tool for tightening this nut (96-1135) can be found in the Accessories & Tooling section of this catalogue.



Figure 1

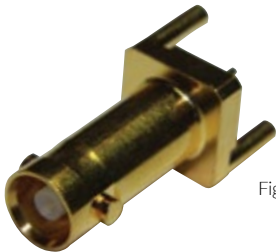


Figure 2

| Part Number | Centre Contact | Outer Contact | Dimension A mm | Features |
|------------------|----------------|---------------|----------------|--|
| 67-454-D66 | Solder | Solder | | Figure 1 - 4 Leg + Centre contact Bulkhead Mount |
| 67-476-D66 12.25 | Solder | Solder | 12.25 | Figure 2 - 3 Leg + Centre contact 6GHz |
| 67-476-D66-8.3 | Solder | Solder | 8.3 | Figure 2 - 3 Leg + Centre contact 6GHz |

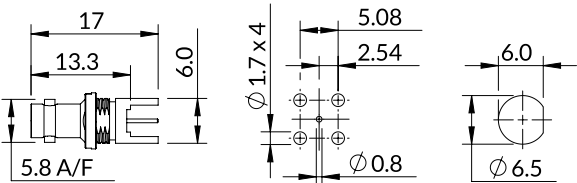


Figure 1

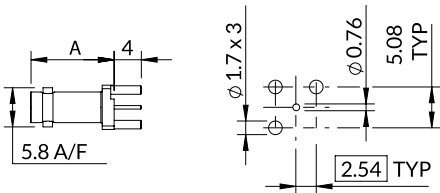


Figure 2

Right angle
PCB jacks.

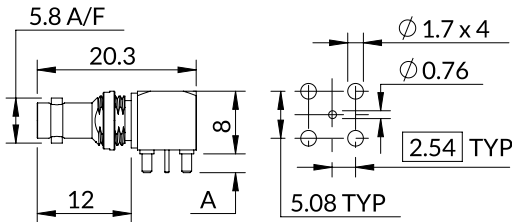
Right angle through hole solder PCB mounted connectors all have a gold plated contact and body.

These connectors are offered with a variety of different leg lengths to suit a range of PCB thicknesses, see table for details.

All parts are supplied complete with circular, slotted bulkhead mounting nut. A tool for tightening this nut (96-1135) can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Centre Contact | Outer Contact | Leg length Dimension A | Features |
|--------------|----------------|---------------|------------------------|-----------------------------------|
| 67-468-D66 | Solder | Solder | 2.4 | |
| 67-468-1-D66 | Solder | Solder | 3.7 | Centre contact - plated 15µ" gold |
| 67-468-2-D66 | Solder | Solder | 2 | |
| 67-468-3-D66 | Solder | Solder | 3.7 | |



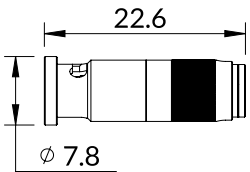
75 ohm
termination.

This plug device provides a 75 ohm termination for any unused jack port.

This part has the same rear extended coupling nut (sleeve) used for the plug connectors. The sleeve incorporates a feature that allows it to be connected and disconnected with the standard tool (96-1132) used for cable plugs.

See Accessories & Tooling section of this catalogue for more information.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|---------------------------|
| 67-863-B36 | N/A | N/A | Return Loss: -30dB @ 3GHz |





TNC 50 & 75 ohm connectors.

TNC connectors featured in this section are a screw lock coupling version of the BNC connectors. Our TNC range includes both 50 and 75 ohm styles which are shown together on the following pages. The screw coupling enables TNC to be used at frequencies up to 11GHz (50 ohm) and 3GHz (75 ohm) in harsh environment situations. Widely used for antenna connections, TNC have many applications in avionics, defence, communications and general industrial markets. Reverse polarity TNC connectors are also available and shown at the end of this section.

Key features:

Threaded coupling

IP 64 sealed interface

Wide range of cables covered

Cable assemblies on request



New connectors.

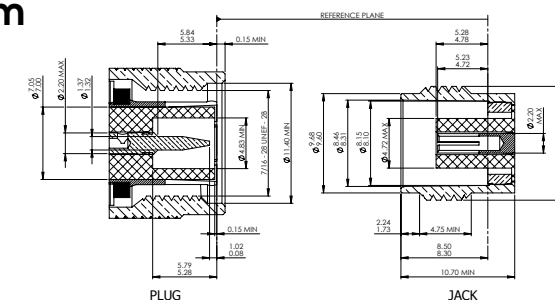
New connectors are regularly being added to our range, if you cannot find what you need, please contact us.

| TNC 50 & 75 ohm | Page |
|---|-------|
| Straight crimp plug | 54 |
| Straight solder plug | 55 |
| Right angle plug crimp & solder | 56 |
| Straight crimp jack | 57 |
| Straight rear mount bulkhead cable jack | 58 |
| Straight front mount bulkhead solder jack | 59 |
| Flange mount plug | 59 |
| Flange mount jack | 60 |
| End launch PCB jack | 61 |
| Right angle PCB bulkhead jack | 61 |
| Adaptors | 62 |
| TNC Reverse Polarity | 64-67 |

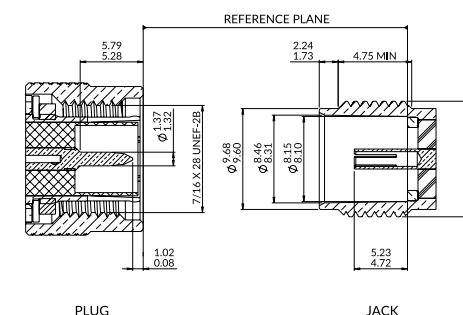
Specification.

| Electrical Specification | | Environmental Specification | |
|---|---|-----------------------------|-------------------|
| Impedance | 50 & 75 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | 50 ohm up to 11GHz 75 ohm up to 3GHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 1500 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-17 | Centre Contact | Brass |
| RoHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE/Delrin |
| Contact Retention | 15N min | Coupling Nut | Brass |
| Mating Force | <20N max | Centre Contact Plating | Gold |
| Un-coupling Force | >2.2N min | Outer Contact Plating | Nickel |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

**TNC 50 ohm
interface.**



**TNC 75 ohm
interface.**



The Interface detail for Reverse Polarity is shown on page 64.

Straight crimp plug.

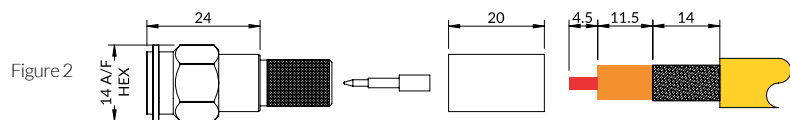
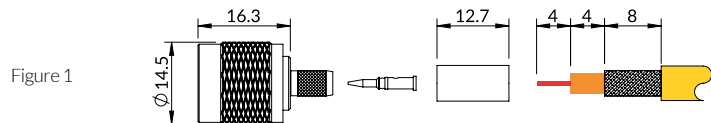
The TNC 50 & 75 ohm crimp plugs shown here are designed to suit the wide variety of popular cables shown in the table.

TNC plugs have a threaded nut that provides a secure coupling enabling the TNC series to be used for higher frequencies.

Appropriate assembly tooling can be found in the Accessories & Tooling section of this catalogue and if required, COAX can offer made to order cable assemblies.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|---|-----|-----|----------------|---------------|------------------------------|
| 13-005-A0-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 1.73 Hex | 5.41 Hex | 75 ohm, 4 Part* |
| 13-005-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.73 Hex | 6.5 Hex | 75 ohm |
| 13-005-A0-AM | RG11, KX8 | AM | 1.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 13-005-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 13-005-A3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 13-005-A3-AO | RG214 | AO | 2.2 | 7.2 | 11 | 2.54 Hex | 10.9 Hex | |
| 13-005-A3-AU | RG400, RG142 | AU | 0.95 | 3.1 | 5 | 1.73 Hex | 5.41 Hex | |
| 13-005-B3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 13-005-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 13-005-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | |
| 13-005-B3-DC | LMR300 | DC | 1.8 | 4.8 | 8 | 1.73 Hex | 5.41 Hex | |
| 13-005-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | 3.25 Hex | 10.9 Hex | ** |
| 13-006-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | 4 Part* |
| 13-025-A3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | 10.9 Hex | Figure 2 Hex Coupling Nut |

*4 Part connectors include an insulated sleeve to provide additional support for small cables during assembly
 **Soldering of the centre conductor is recommended for optimum performance
 All connectors shown are 50 ohm unless otherwise stated.



Assembly Procedure - AP001 & AP002 (4 part), see www.coax-connectors.com/ap for details

Straight solder plug.

As an alternative to the TNC crimp plugs shown opposite, these plugs are assembled using solder and clamp methods.

Included here is the direct solder variant for use on semi-rigid or conformable cable where the cable jacket is soldered onto the rear body of the connector.

Also included is a version of the plug for larger cables that has an hexagon coupling nut, which allows the interface to be tightened more effectively.

Appropriate tooling can be found in the Accessories & Tooling section of this catalogue.

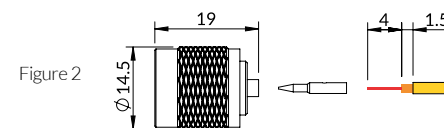
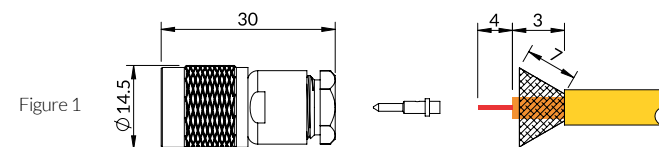
Figure 1



Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|---|-----|-----|----------------|---------------|---|
| 13-001-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | Figure 1 |
| 13-001-A3-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | Solder | Clamp | Figure 1 75 ohm |
| 13-001-A3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | Clamp | Figure 1 |
| 13-014-B3-HB | RG402 (0.141") | HB | 1 | | 3.6 | Solder | Solder | Figure 2 Direct Solder for Semi Rigid Cable |

All connectors shown are 50 ohm unless otherwise stated



Assembly Procedure - AP010 (13-001) - AP033 (13-014)
 See www.coax-connectors.com/ap for details.

Right angle plug crimp & solder.

Figure 1

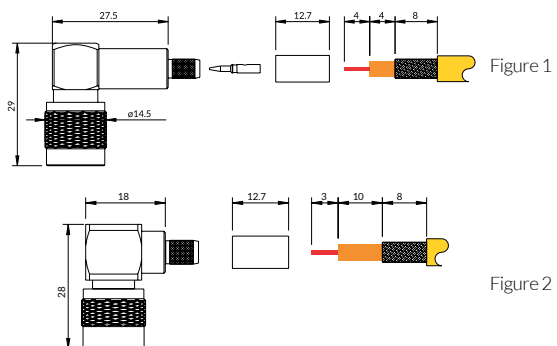
Figure 2

TNC right angle plugs have either crimp or soldered gold plated contacts and crimped outer conductor. Crimped contacts are 2 part, where the crimped portion mates with fixed element during assembly to provide improved RF performance.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-------------------|
| 13-104-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 13-104-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 13-106-A0-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1, 4 Part* |
| 13-105-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | Solder | 6.5 Hex | Figure 2 |
| 13-105-B3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | Solder | 10.9 Hex | Figure 2 |
| 13-105-B3-DC | LMR300 | DC | 1.8 | 4.8 | 8 | Solder | 5.41 Hex | Figure 2 |
| 13-105-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | 10.9 Hex | Figure 2** |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.
** Soldering of the centre conductor is recommended for optimum performance



Assembly Procedure - AP019 (13-104) - AP017 (13-105) - AP002 (13-106)
See www.coax-connectors.com/ap for details

Straight crimp jack.

TNC right angle plugs have either crimp or soldered gold plated contacts and crimped outer conductor. Crimped contacts are 2 part, where the crimped portion mates with fixed element during assembly to provide improved RF performance.

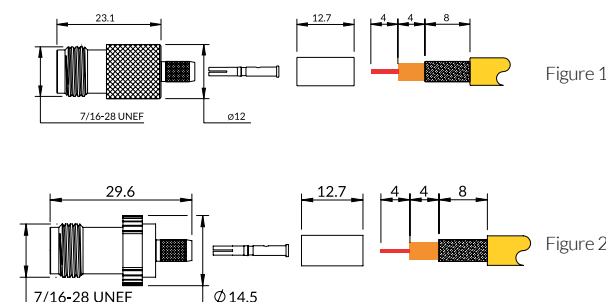
Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Figure 1

Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------------------------|
| 13-054-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 13-054-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 13-054-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | 3.25 Hex | 10.9 Hex | Figure 1** |
| 13-055-A3-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.73 Hex | 5.41 Hex | Figure 2 75 ohm, 4 Part* |
| 13-055-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 2 4 Part* |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.
** Soldering of the centre conductor is recommended for optimum performance
All connectors shown are 50 ohm unless otherwise stated



Assembly Procedure - AP001 & AP002 (4 part), see www.coax-connectors.com/ap for details

Straight rear mount bulkhead cable jack.

TNC bulkhead cable jacks are available in either insulated or non-insulated versions to suit the range of cables indicated below.

See table below for crimp sizes, suitable tooling can be found in the Accessories & Tooling section of this catalogue.

All bulkhead mounted variants are fitted with a sealing ring giving IP64 protection against the panel, and include a nut and lock washer.

Figure 1

Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-------------------------------------|
| 13-254-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 13-254-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 13-254-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 13-256-A0-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.73 Hex | 5.41 Hex | Figure 1, 4 Part* |
| 13-256-A0-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1, 4 Part* |
| 13-258-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 2, Insulated |
| 13-264-A0-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1, 4 Part* Bullet contact |
| 13-264-B3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | Figure 1, 4 Part* Bullet contact |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.

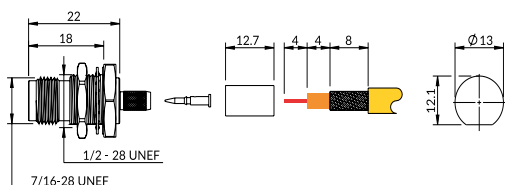


Figure 1

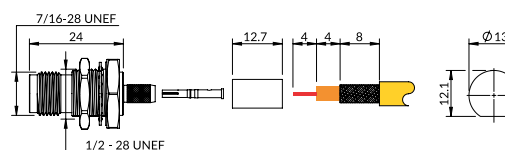


Figure 2

Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details

Straight front mount bulkhead solder jack.

TNC bulkhead cable plugs are available in either insulated or non-insulated versions to suit the range of cables indicated below.

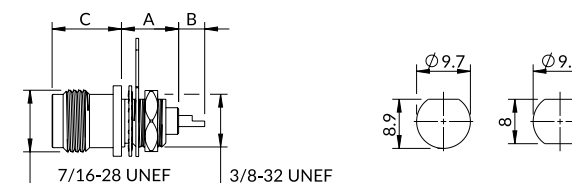
See table below for crimp sizes, suitable tooling can be found in the Accessories & Tooling section of this catalogue.

These bulkhead mounted variants are fitted with a sealing ring giving IP64 protection against the panel, and include a nut and lock washer.

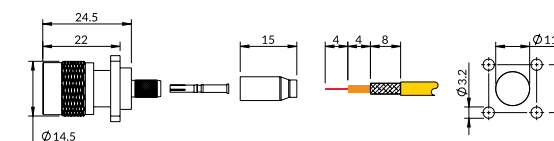


| Part Number | Figure | Drawing dimension A B C | | | Centre Contact | Features |
|-------------|----------|----------------------------|---|----|----------------|---------------|
| 13-350-A3 | Figure 1 | 12 | 6 | 16 | Solder | Single flat |
| 13-355-A3 | Figure 1 | 12 | 6 | 16 | Solder | Double D Flat |

Figure 1



Flange mount plug.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 13-322-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | |

Flange mount jack.

Flange mount jacks are available for either flexible or semi rigid-cable. Options with a flange seal are available.

The flexible cable version is assembled using full crimp methods whilst those for semi-rigid cable are soldered.

Centre contact is gold plated, the body is nickel plated.

Crimp sizes are shown in the table and suitable assembly tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|---------------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|--|
| 13-278-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 13-279-B3-HA-17.5mm | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 Direct solder to Semi-Rigid |
| 13-283-B3-HA-17.5mm | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 With panel seal. Direct solder to Semi-Rigid |

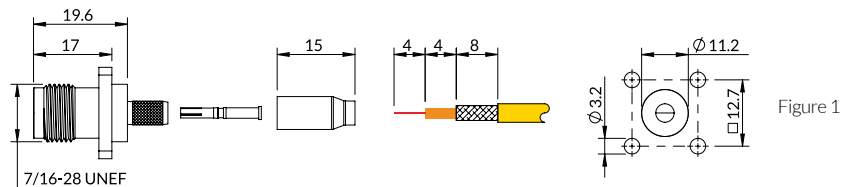


Figure 1

Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

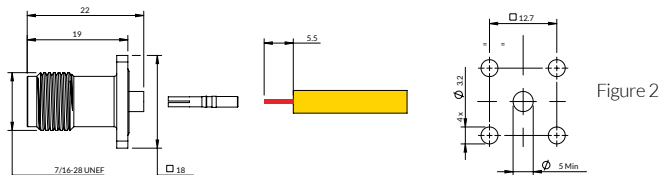


Figure 2

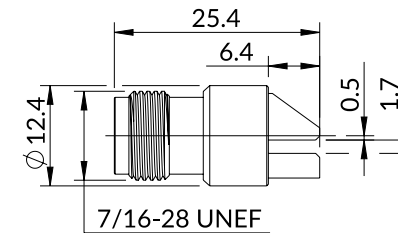
Assembly Procedure - AP033, see www.coax-connectors.com/ap for details

End launch PCB jack.

Edge mounted PCB jack for soldering to a 1.6mm nominal thickness PCB.

Centre contact is gold plated, the body is white bronze plated.

| Part Number | Features |
|------------------|-----------------------|
| 13-410-1.57mm-Q3 | 1.6mm board thickness |

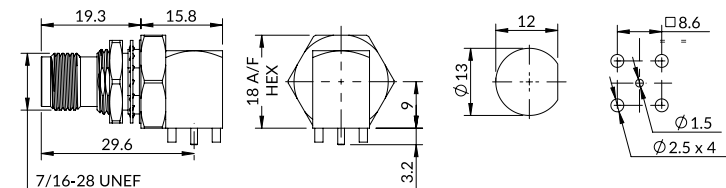


Right angle PCB bulkhead jack.

Fitted with gold plated centre contact, the other body parts are nickel plated.

A sealing ring provides IP64 protection when mounted against a suitable panel. Supplied complete with nut and lock washer.

| Part Number | Features |
|-------------|---------------------------|
| 13-468-A3 | Ingress protection - IP64 |



Adaptors.

Adaptors in a range of configurations for connection within the TNC series. For connecting TNC to other coaxial connector types, see our range of Inter Series Adaptors.

All adaptors have gold plated centre contacts with nickel plated bodies.

Figure 1



Figure 2

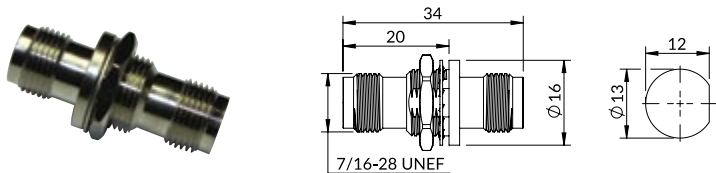


Figure 3

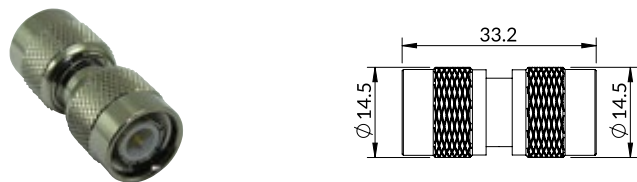


Figure 4



| Part Number | | | Interface Arrangement | | Features |
|-------------|--------|---------------------------|-----------------------|-------|-------------|
| | | | Left | Right | |
| 13-500-A3 | Fig. 1 | Straight Adaptor | Jack | Jack | |
| 13-500-B36 | Fig. 1 | Straight Adaptor | Jack | Jack | 3GHz 75 ohm |
| 13-501-A3 | Fig. 2 | Straight Bulkhead Adaptor | Jack | Jack | |
| 13-514-A3 | Fig. 3 | Straight Adaptor | Plug | Plug | |
| 13-520-A3 | Fig. 4 | Right Angle Adaptor | Plug | Jack | |

Tooling

See page 176





TNC 50 ohm reverse polarity.

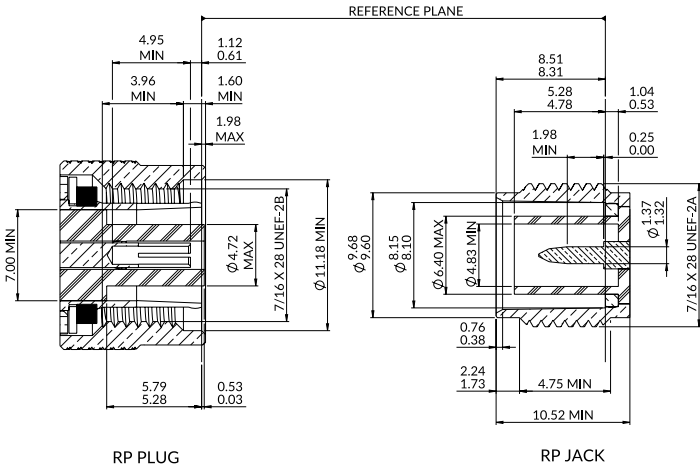
In common with standard TNC connectors, the reverse polarity versions featured in this section are a screw lock coupling version of the BNC connectors. The screw coupling enables TNC to be used at frequencies up to 11GHz in harsh environment situations.

Widely used for antenna connections, TNC have many applications in avionics, defence, communications and general industrial markets. Reverse polarity TNC connectors are used where some form of differentiation from standard versions of TNC is required to avoid connection to the wrong line.

Key features:

- Reverse polarity
- Wide range of cables covered
- Cable assemblies on request

TNC reverse polarity interface.



RP straight crimp plug.

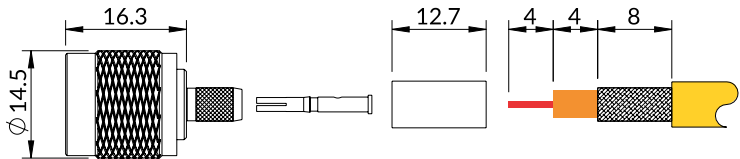
TNC Reverse Polarity 50 ohm plugs are identical to standard TNC plugs except that the interface polarity is reversed. R/P connectors are ideal where 2 lines are mounted on the same panel and it is important to ensure that they can not be incorrectly mated.

Crimp sizes are shown in the table, further information on tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal ϕ mm) | | | Centre Contact | Outer Contact | Features |
|--------------|----------------------------|-------------|--------------------------------------|-----|-----|----------------|---------------|----------|
| 14-005-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 14-005-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 14-005-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | ** |
| 14-006-A3-AD | RG174, RG188, RG316 LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | 4 Part* |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.
**Soldering of the centre conductor is recommended for optimum performance



Assembly Procedure - AP001 & AP002 (4 Part), see www.coax-connectors.com/ap for details



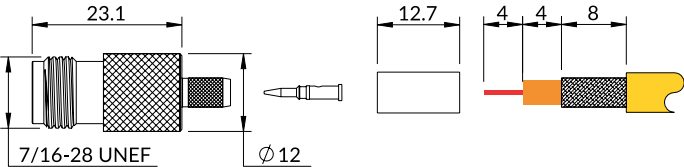
RP straight crimp jack.

TNC Reverse Polarity 50 ohm jacks are identical to standard TNC jacks except that the interface polarity is reversed. R/P connectors are ideal where 2 lines are mounted on the same panel and it is important to ensure that they can not be incorrectly mated.

Crimp sizes are shown in the table, further information on tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 14-054-A3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 14-054-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 14-054-A3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 14-054-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | ** |
| 14-055-A3-AD | RG174,RG188,RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | 4 Part* |

* Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.
**Soldering of the centre conductor is recommended for optimum performance



Assembly Procedure - AP001 & AP002 (4 part), see www.coax-connectors.com/ap for details



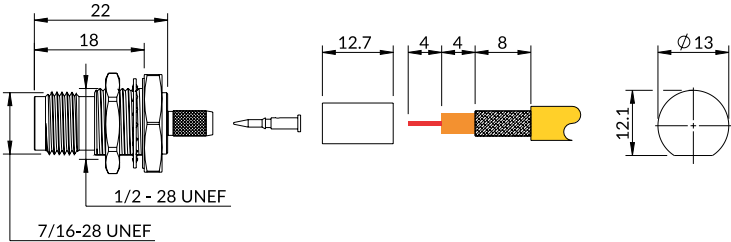
RP straight bulkhead jack.

TNC Reverse Polarity 50 ohm jacks are identical to standard TNC jacks except that the interface polarity is reversed. R/P connectors are ideal where 2 lines are mounted on the same panel and it is important to ensure that they can not be incorrectly mated.

Crimp sizes needed to assemble these connectors are shown in the table, further information on tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 14-254-A3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 14-254-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 14-256-A3-AD | RG174,RG188,RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | 4 part* |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.



Assembly Procedure - AP001 & AP002 (4 part), see www.coax-connectors.com/ap for details



| F Type | Page |
|--|------|
| Cable plug - single piece - integral crimp | 70 |
| Cable plug - other | 71 |
| Adaptors | 71 |

F Type connectors.

F Type are low cost 50 & 75 ohm miniature connectors typically used in cable TV, satellite TV, CATV and cable modem installations. F type have a screw coupling and commonly use the solid centre conductor of the cable as the centre contact although versions with a separate crimped contact are available.

Body parts are nickel plated and where applicable the centre contacts are gold plated.

Key Features:

Simple assembly

Low cost

Single part on certain styles



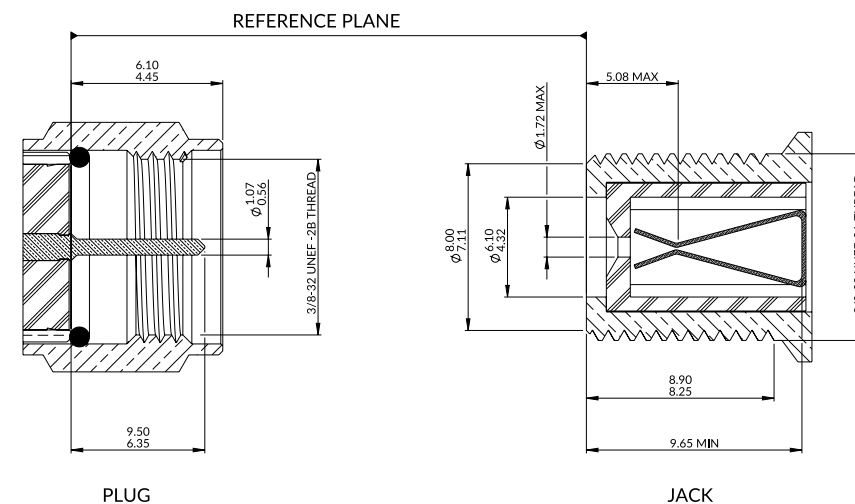
New connectors.

We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Specification.

| Electrical Specification | | Environmental Specification | |
|---|---------------|-----------------------------|-------------------|
| Impedance | 75 ohm | Operation temperature | -40 to +140 Deg C |
| Frequency Range | Up to 3GHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 1500 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC 60169-24 | Centre Contact | Brass |
| ROHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 100 | Insulator | PTFE |
| Contact Retention | 20N max | Coupling Nut | Brass |
| Coupling Nut Torque | 0.46 - 0.69Nm | Centre Contact Plating | Gold |
| | | Outer Contact Plating | Nickel/Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

F Type interface.





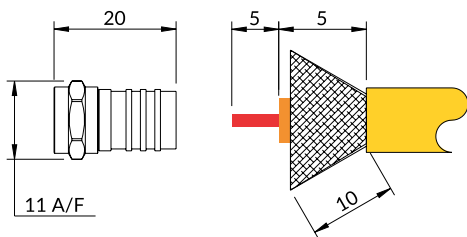
Cable plug - single piece - integral crimp.

F Type plugs with integral crimp are a single part connector where the crimp sleeve is formed from the main body and the centre conductor of the cable acts as the centre contact.

The threaded nut provides a secure coupling to the mating half to prevent accidental disconnection.

All elements of this connector are nickel plated.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|-------------------|--------------------|-------------|--|-----|----|----------------|---------------|-------------------------|
| 15-015-Z0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | N/A | 8.23 Hex | |
| 15-015-Z0-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | N/A | 10.9 Hex | |
| 15-015-Z0-AS Bulk | RG7 | AS | 0.9 | 6.3 | 9 | | | |
| 15-015-Z0-CA | CT100, RG6, WSC100 | CA | 1 | 4.6 | 7 | N/A | 8.05 Hex | |
| 15-015-Z0-CC | CT125 | CC | 1.3 | 5.5 | 8 | N/A | 11.4 Hex | |
| 15-015-Z0-CE | CT167 | CE | 1.7 | 7.2 | 10 | N/A | | |
| 15-024-Z0-CC | CT125 | CC | 1.3 | 5.5 | 8 | N/A | 8.6 Hex | Non standard crimp size |



Assembly Procedure - AP009, see www.coax-connectors.com/ap for details

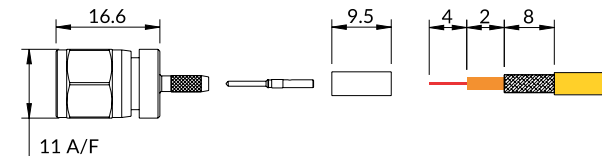
Cable plug - other.

As an alternative to the single piece plugs shown opposite, a number of alternative plugs are offered that use a separate gold plated centre contact to give more reliable and higher RF performance.

A number of these plugs also feature a separate crimp sleeve giving the '3 part' coaxial connector construction. Also available are the simple to assemble variants using Twist-On and the tool-less Spring-Lock termination.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|---------------|----------------------------|-------------|--|-----|---|----------------|---------------|-------------|
| 15-005-A6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 3.25 Hex | |
| 15-005-B36-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | |
| 15-005-B36-FA | Image360, 1855ENH, VK4&5 | FA | 0.6 | 2.8 | 4 | 1.73 Hex | 5.41 Hex | |
| 15-005-B36-FG | CM2231, CM3641 | FG | 0.8 | 3.8 | 6 | 1.73 Hex | 6.48 Hex | |
| 15-027-Z0-CA | CT100, RG6, WSC100 | CA | 1 | 4.6 | 7 | 1.73 Hex | 8.05 Hex | |
| 15-004-Z0-AG | Mini RG59 White | AG | 0.4 | 1.9 | 4 | N/A | 5.41 Hex | Twist-on |
| 15-026-D6-CA | CT100, RG6, WSC100 | CA | 1 | 4.6 | 7 | Push-On | Push-On | Spring-Lock |



Assembly Procedure - AP001 & AP008 (15-026) See www.coax-connectors.com/ap for details

Adaptors.

Adaptors for connecting together F Type connectors.
For connecting F Type to other series, see our range of Inter-Series Adaptors.

| Part Number | Configuration | Features |
|-------------|--------------------------------|----------|
| 15-501-A0 | Jack to jack - bulkhead fixing | Figure 2 |
| 15-514-A6 | Plug to plug | Figure 1 |



Figure 1

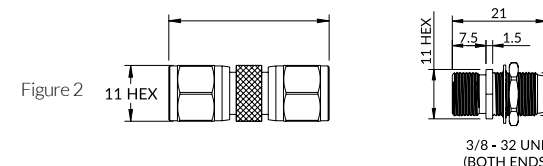


Figure 2

Figure 1

Euro TV connector.

These connectors are used as the main antenna connection for TV sets in Europe. Designed to meet the IEC61169-2 specification, these connectors fit to standard 75 ohm cables, such as the popular RG59 or similar.

In addition to the cable plug, a jack to jack adaptor is available for extending cables or changing the interface.



Figure 1



Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-------------------|-------------|--|-----|---|----------------------|---------------|----------|
| 16-020-A0-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | Screw | Screw-On | Figure 1 |
| 16-500-A0 | N/A | | | | | Jack to Jack adaptor | | Figure 2 |

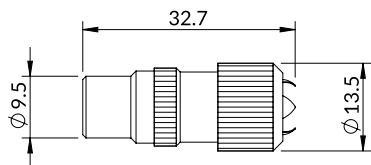


Figure 1

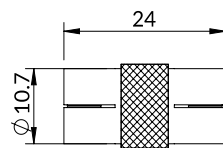


Figure 2

CONNECTORS ASAP?

COAXDIRECT

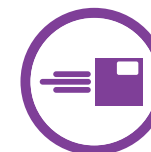
QUALITY CONNECTORS DELIVERED



ORDER ANYTIME



ON THE MOVE



QUICK DELIVERY



EXPERT ADVICE



ASSURED QUALITY

Coming in 2015

www.coaxdirect.co.uk



0.4/2.5 Connectors.

0.4/2.5 is one of the smallest true 75 ohm connectors available.

This micro-miniature series is ideal for High Definition camera and CCTV applications or anywhere a very small 75 ohm board connection is required. Suitable for use up to 4.5 GHz, this series exceeds the requirements of SMPTE 292M and HD-SDI standards for HD broadcasts.

The range includes surface mounted plugs and jacks together with a selection of cable connectors.

When used in a parallel board to board configuration, only 8mm between boards is required. When the board mounted plug is mated with a right angle cable jack, only 10mm height above board is needed.



Figure 1



Figure 2

Surface mount PCB plug and jack.

With a plug height of only 3mm above board, these PCB connectors are designed for surface mount soldering and feature an orientation flat on the body for pick and place assembly. Connectors can be supplied in tape and reel or loose packed.

With gold plated inner and outer contacts, these high performance micro miniature connectors are ideal for use in equipment packages where space is critical.

| Part Number | Description | Figure |
|-------------|--|----------|
| 18-483-D6 | Straight PCB Plug - Surface mount assembly | Figure 1 |
| 18-453-D6 | Straight PCB Jack - Surface mount assembly | Figure 2 |

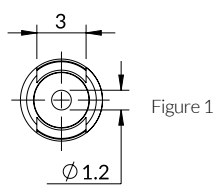
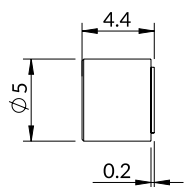


Figure 1

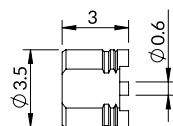


Figure 2

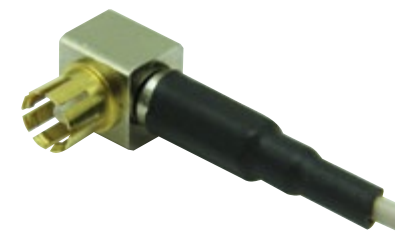
| 0.4/2.5 - 75 ohm | Page |
|---------------------------------|------|
| Surface mount PCB plug and jack | 74 |
| Cable plug and jack | 75 |

Cable plug and jack.

A selection of cable connectors includes straight and right angle options. Designed for use with RG179 size cables, connectors to fit other miniature 75 ohm cables types are available on request.

Centre contacts of the straight versions are indent crimped and right angle versions are soldered with the outer conductor being terminated with a hexagon crimp.

Full details of suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Typical Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) | | | Centre Contact | Outer Contact | Features |
|---------------|---------------------|-------------|---------------------------------|-----|---|----------------|---------------|----------------------|
| 18-005-D36-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | Indent Crimp | 3.25 Hex | Figure 1 Straight |
| 18-054-D36-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | Indent Crimp | 3.25 Hex | Figure 2 Straight |
| 18-154-D6-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | Solder | 3.25 Hex | Figure 3 Right angle |

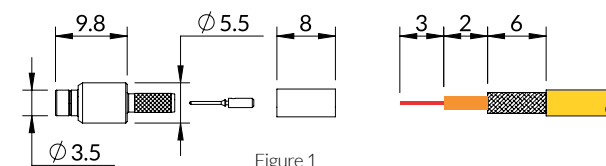


Figure 1

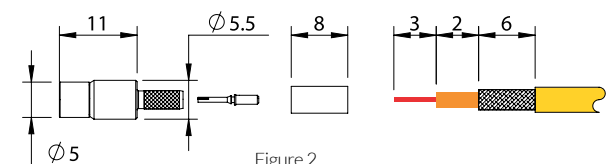


Figure 2

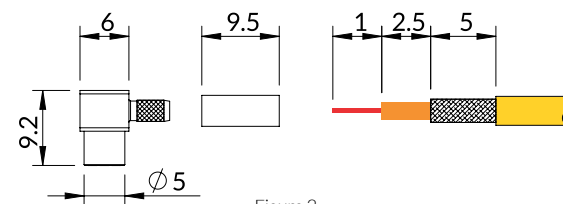


Figure 3

Assembly Procedure - AP023 (straight) AP017(R/A) see www.coax-connectors.com/ap for details



UHF connectors.

UHF are a range of 50 ohm connectors for low frequency RF applications.

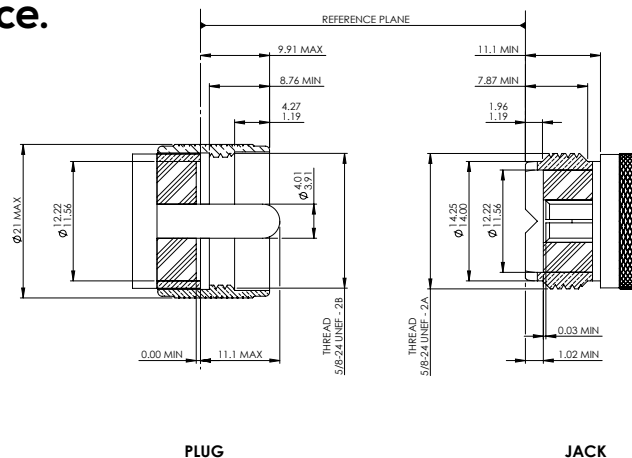
UHF are typically used in amateur radio, CB radio and VHF, they have a screw (5/8 x 24 UNF) coupling and are suitable for use up to 300MHz.

Specification.

| Electrical Specification | | Environmental Specification | |
|------------------------------|--------------|-----------------------------|------------------|
| Impedance | 50 ohm | Operation temperature | -25 to +70 Deg C |
| Frequency Range | Up to 300MHz | IP Rating (Mated) | IP64 |
| Dielectric Withstand Voltage | 750 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-60169-12 | Centre Contact | Brass |
| ROHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 30N min | Coupling Nut | Brass |
| | | Centre Contact Plating | Gold |
| | | Outer Contact Plating | Nickel |

The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090

UHF interface.



PLUG

JACK

Straight cable plug.

UHF straight cable plugs are available either for full crimp or Twist-On termination.

Twist-On styles do not require special tooling to assemble onto cable, the prepared cable is simply screwed into the rear body of the connector and the centre conductor is soldered through the contact end.

Where required, suitable crimp tooling can be found in the Accessories & Tooling section of this catalogue.

Figure 1



Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|---------------------------------|------------|--------|----------------|---------------|----------|
| | | | Conductor | Insulation | Jacket | | | |
| 20-005-A0-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 20-005-A0-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 20-016-A0-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | Solder | Twist-On | Figure 2 |
| 20-016-A0-AO | RG214 | AO | 2.2 | 7.2 | 11 | Solder | Twist-On | Figure 2 |
| 20-016-K0-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Twist-On | |
| 20-016-K1-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Twist-On | |

Figure 1

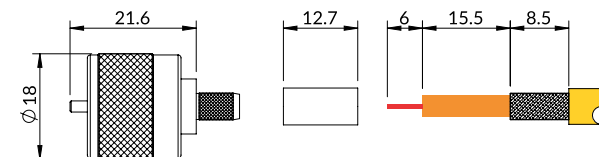
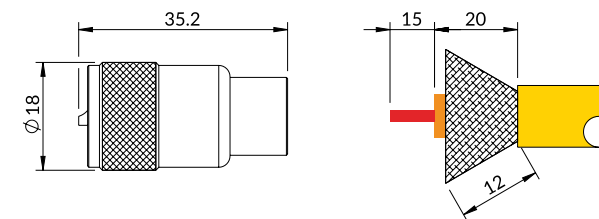


Figure 2



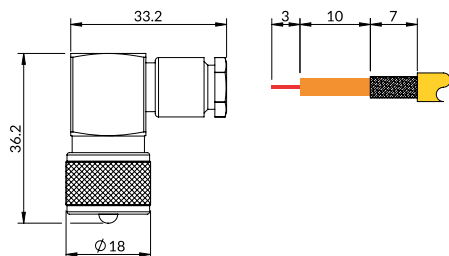
Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



Right angle cable plug.

This right angle UHF plug requires no special tooling to assemble to cable. The prepared cable is simply soldered to the centre contact and the jacket and braid are clamped.

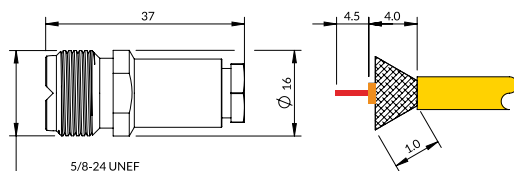
| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|---|----------------|---------------|----------|
| 20-050-G0-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | |



Cable jack.

UHF cable jacks require no special tooling to terminate to cable. The centre conductor is simply soldered to the contact and the braid and jacket are clamped.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|---|----------------|---------------|----------|
| 20-050-G0-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

Adaptors.

| Part Number | Configuration | |
|-------------|-------------------------------|----------|
| 20-500-A0 | Jack to Jack | Figure 1 |
| 20-501-A0 | Jack to Jack - Bulkhead mount | Figure 2 |

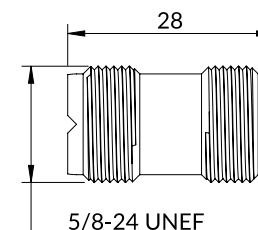


Figure 1

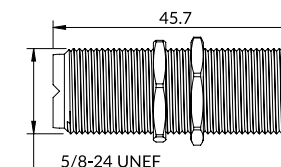


Figure 2

Mini UHF cable plug.

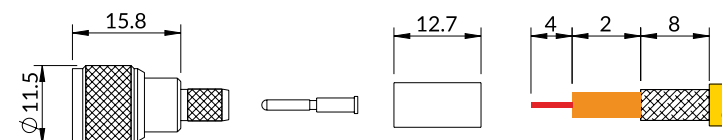
Mini UHF is a smaller version of the standard UHF and is used in similar communication applications.

This plug is assembled by crimping both the centre and outer conductors.

Crimp sizes are shown in the table, suitable crimp tooling can be found in the Accessories & Tooling section of this catalogue



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|---|----------------|---------------|----------|
| 21-005-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

FME connectors.

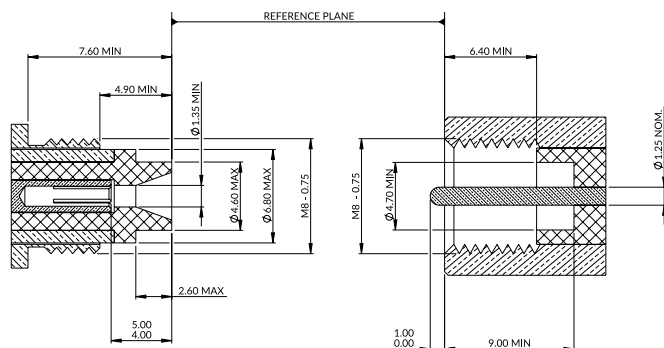
FME are a 50 ohm series designed for connecting communications equipment in automotive applications typically up to 2GHz. FME feature a robust screw coupling and are crimped to cable using industry standard methods.

Body parts are nickel plated and the centre contacts are gold plated.

Crimp sizes are shown in the tables and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Specification.

| Electrical Specification | | Environmental Specification | |
|---|------------|-----------------------------|-------------------|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 2GHz | IP Rating (Mated) | IP30 |
| Dielectric Withstand Voltage | 500 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| ROHS Compliant | Yes | Centre Contact | Brass |
| Mating Cycles | 250 | Outer Contact | Brass |
| Coupling Nut Torque | <2Nm | Insulator | PTFE |
| | | Coupling Nut | Brass |
| | | Centre Contact Plating | Gold |
| | | Outer Contact Plating | Nickel |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |



PLUG

JACK

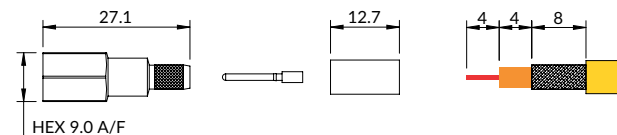
Straight cable plug.

FME cable plug has a nickel plated body and the centre contact is gold plated.

Centre and outer conductors are crimped. Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 22-005-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | |
| 22-005-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 22-005-A3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 22-007-A0-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | 5 part |



Assembly Procedure - AP001 & AP036 (22-007) See www.coax-connectors.com/ap for details

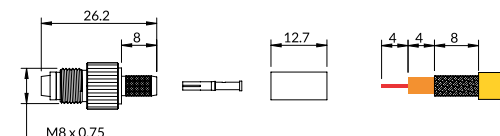
Straight cable jack.

FME cable jack has a nickel plated body and the centre contact is gold plated.

Centre and outer conductors are crimped. Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 22-054-A0-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |
| 22-054-A3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | |
| 22-054-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | |
| 22-054-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



Bulkhead cable plug.

FME bulkhead mount cable plug is supplied complete with fixing nut and lock washer. The body parts are nickel plated and the centre contact gold plated.

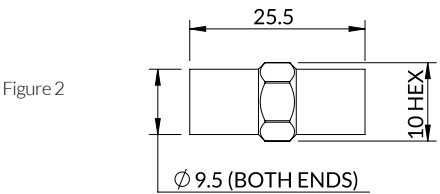
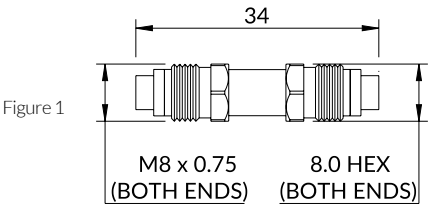
Centre and outer conductors are crimped. Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------------|
| 22-204-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Bulkhead Mount |

Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

Adaptors.

| Part Number | Configuration | Comments |
|-------------|---------------|----------|
| 22-500-A3 | Jack to jack | Figure 1 |
| 22-514-A0 | Plug to plug | Figure 2 |





N Type connectors.

N Type connectors are available in 50 & 75 ohm versions with certain 50 ohm styles being suitable for use up to 11GHz.

With a rugged screw coupling, N Type are a mid sized series of RF connectors with the interface designed according to IEC61169-16 and are sealed to IP67 when mated.

N Type connectors are widely used in communication systems where higher performance and power are required.

Note - 50 and 75 ohm versions of N Type connectors are not compatible and permanent damage to the connector may occur if mated.

Key Features:

50 & 75 ohm options

Rugged Screw Coupling

Up to 11GHz for selected styles

IP67 when mated



New connectors.

We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

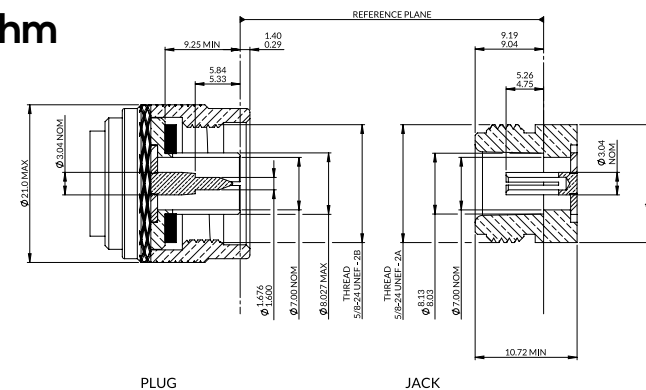
| N Type 50 & 75 ohm | Page |
|---|-------|
| Straight cable plug for flexible cable | 86 |
| Straight direct solder cable plug for semi rigid cables | 86 |
| Straight solder / clamp cable plug | 88 |
| Straight Easy-Fit cable plug | 89 |
| Right angle cable plugs | 90 |
| Bulkhead mount plug | 91 |
| Straight crimp cable jack | 92 |
| Straight clamp & Easy-Fit cable jack | 93 |
| Straight bulkhead rear mount cable jack. | 94 |
| Straight flange mount cable jack, crimp & direct solder | 95 |
| Front mount bulkhead jack | 96 |
| Bulkhead 4 hole flange mount jack | 96 |
| Dust cap & shorting cap | 97 |
| Adaptors | 98-99 |

Specification.

The values below are typical. Please check product data sheets for full details
- see www.coax-connections.com or call +44(0)20 8538 9090

| Electrical Specification | | Environmental Specification | |
|------------------------------|---|-----------------------------|--|
| Impedance | 50 & 75 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | 50 ohm up to 6GHz 75 ohm up to 11GHz | IP Rating (Mated) | IP67 |
| Dielectric Withstand Voltage | 1500 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-16 | Centre Contact | Phospher Bronze/Beryllium Copper/Brass |
| ROHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 13N min | Coupling Nut | Brass |
| Mating Force | 26N max | Centre Contact Plating | Gold |
| Un-coupling Force | 13.6N max | Outer Contact Plating | Nickel/White Bronze |

N Type 50 ohm interface.



N Type 75 ohm interface.



Note - 50 and 75 ohm versions of N Type connectors are not compatible and permanent damage to the connector may occur if mated.

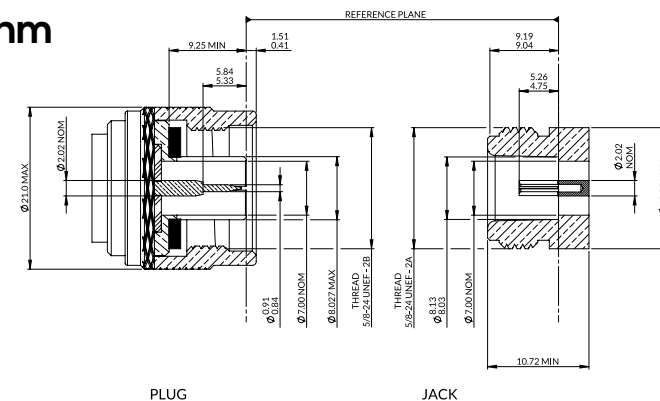




Figure 1

Straight cable plug for flexible cable.

The range of straight N Type crimp cable plugs fit a wide selection of standard flexible and semi-rigid/conformable coaxial cables for both 50 and 75 ohm applications.

Connectors for flexible cable are crimped whereas those for semi-rigid and conformable cables are soldered. All connectors have gold plated centre contacts with nickel plated outer contact and body parts.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

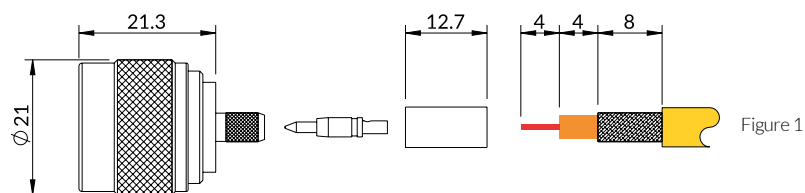


Figure 1

Assembly Procedure - AP001 & AP002 (4 part), see www.coax-connectors.com/ap for details



Figure 2

Straight direct solder cable plug for semi rigid cables.

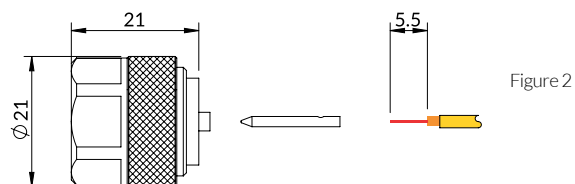


Figure 2

Assembly Procedure - AP033, see www.coax-connectors.com/ap for details

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|--------------------------|-------------|--|-----|-----|----------------|---------------|---------------------|
| 25-005-AO-AM | RG11,KX8 | AM | 1.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | Figure 1 |
| 25-005-B3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-005-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 25-005-B3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | Figure 1 |
| 25-005-B3-AO | RG214 | AO | 2.2 | 7.2 | 11 | 2.54 Hex | 10.9 Hex | Figure 1 |
| 25-005-B3-AU | RG400,RG142 | AU | 0.95 | 3.1 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-005-B3-DA | LMR200 | DA | 1.1 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-005-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-005-B3-DC | LMR300 | DC | 1.8 | 4.8 | 8 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-025-B3-DC | LMR300 | DC | 1.8 | 4.8 | 8 | Solder | 5.41 Hex | *** |
| 25-005-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | 3.25 Hex | 10.9 Hex | Figure 1 ** |
| 25-005-B6-AB | RG179,RG187,Belden179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 3.25 Hex | Figure 1 75 ohm |
| 25-005-B6-AI | RG59,RG62,URM70 | AI | 0.6 | 3.7 | 6 | 1.73 Hex | 6.5 Hex | Figure 1 75 ohm |
| 25-006-B3-AD | RG174,RG188,RG316,LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1 4 Part* |
| 25-006-B3-AE | RD316,RD188 | AE | 0.5 | 1.5 | 3 | 1.73 Hex | 5.41 Hex | Figure 1 4 Part* |
| 25-014-B3-HA | RG401 (0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 *** |
| 25-014-B3-HB | RG402 (0.141") | HB | 1 | | 3.6 | Solder | Solder | Figure 2 *** |

Connectors are 50 ohm unless otherwise stated. Damage may occur if 50 and 75 ohm connectors are mixed.

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.

**Soldering of centre conductor is recommended for optimum performance

***Fitted with hexagon & knurl coupling nut in place of the standard knurled nut



Straight solder / clamp cable plug.

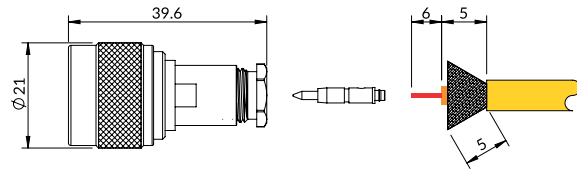
Solder clamp plugs allow connectors to be assembled without the use of specialist tooling. The contact is simply soldered to the centre conductor of the prepared cable and a clamp system completes the assembly.

Connectors are available to suit a range of both 50 and 75 ohm cables.

Centre contacts are gold plated, the outer contacts and other body parts are nickel plated.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 25-001-AO-AM | RG11,KX8 | AM | 1.2 | 7.2 | 10 | Solder | Clamp | |
| 25-001-B3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | |
| 25-001-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | Solder | Clamp | |
| 25-001-B3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | Solder | Clamp | |
| 25-001-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | Solder | Clamp | |
| 25-001-B6-AI | RG59,RG62,URM70 | AI | 0.6 | 3.7 | 6 | Solder | Clamp | 75 ohm |

Connectors are 50 ohm unless otherwise stated. Damage may occur if 50 and 75 ohm connectors are mixed.



Assembly Procedure - AP016, see www.coax-connectors.com/ap for details

Straight easy fit cable plug.

Easy Fit plugs are assembled without the need to solder the centre contact. Designed for use on the larger coaxial cables, the centre conductor of the stripped cable is pushed into the rear of the connector where the spring times on the contact grip the conductor, giving a robust, solder free joint. The outer braid and jacket is terminated either by clamping or hexagon crimp, depending on the connector chosen.

The Easy Fit clamp styles are one of the simplest connectors to assemble, requiring only a cable stripper and spanners to complete the task.

Figure 1



Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------|-------------|--|------|----|----------------|---------------|----------|
| 25-017-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | Easy Fit | Clamp | Figure 1 |
| 25-018-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | Easy Fit | 10.9 Hex | Figure 2 |
| 25-017-B3-DG | LMR500 | DG | 3.6 | 9.4 | 13 | Easy Fit | Clamp | Figure 1 |
| 25-017-B3-DH | LMR600 | DH | 4.5 | 11.5 | 15 | Easy Fit | Clamp | Figure 1 |

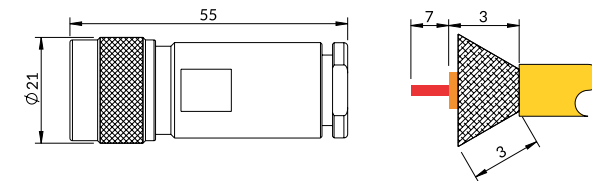


Figure 1

Assembly Procedure - AP010, see www.coax-connectors.com/ap for details

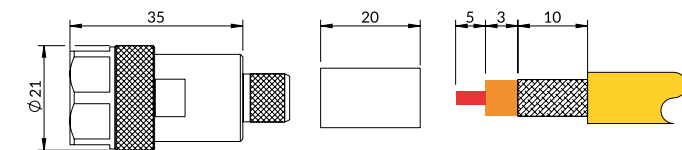


Figure 2

Assembly Procedure - AP25-018, see www.coax-connectors.com/ap for details



Right angle cable plug.

Right angle plugs for assembly to a wide range of flexible cables. Centre conductors are soldered. Options are available for either clamp or crimp fixing of the outer conductor, these options vary according to cable type.

Centre conductors are gold plated and outer conductor and other body parts are nickel plated.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------|
| 25-105-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | 5.41 Hex | Figure 1 |
| 25-105-A3-AU | RG400, RG142 | AU | 0.95 | 3.1 | 5 | Solder | 5.41 Hex | Figure 1 |
| 25-105-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | Figure 1 |
| 25-105-B3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Solder | 3.84 Hex | Figure 1 |
| 25-105-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | Solder | 6.5 Hex | Figure 1 |
| 25-105-B3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | Solder | 10.9 Hex | Figure 1 |
| 25-101-B3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | Solder | Clamp | Figure 2 |
| 25-105-B3-AO | RG214 | AO | 2.2 | 7.2 | 11 | Solder | 10.9 Hex | Figure 1 |
| 25-109-B3-AO | RG214 | AO | 2.2 | 7.2 | 11 | Solder | 10.9 Hex | Figure 1* |
| 25-109-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | Solder | 5.41 Hex | Figure 1* |
| 25-110-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | 10.9 Hex | Figure 1* |
| 25-101-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | Clamp | Figure 2 |

*Coupling nut has hexagon & knurl in place of standard knurl

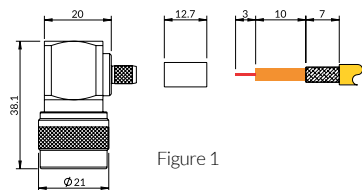


Figure 1

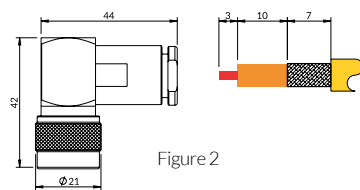


Figure 2

Assembly Procedure - AP0017 (crimp) AP015 (clamp), see www.coax-connectors.com/ap for details

Bulkhead and flange mount plugs.

Various options for bulkhead mounting plugs are offered including 4 hole flange and double D hole mounting.

Centre contacts are all gold plated, the 4 hold flange versions are bright nickel plated whereas the single hold bulkhead mount connector is non reflective black nickel plated.

The cable version is assembled by crimping the centre and outer conductors. Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Figure 3



Figure 2



Figure 1



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|---|
| 25-322-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 3 4 Hole flange |
| 25-233-A3 | | | | | | Solder bucket | | Figure 2 4 Hole flange |
| 25-364-J3 | | | | | | Solder bucket | | Figure 1 Black nickel plated. Includes nut and washer |

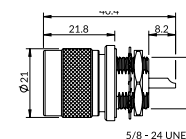


Figure 1

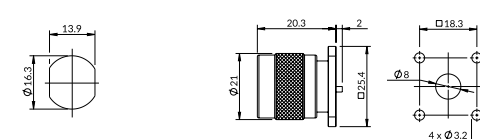


Figure 2

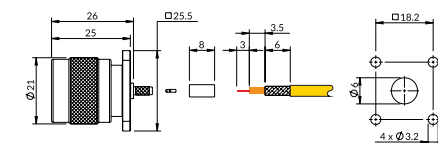


Figure 3

Assembly Procedure - AP019 (25-322-A3), see www.coax-connectors.com/ap for details



Straight crimp cable jack.

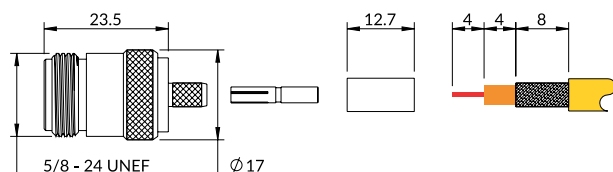
Crimp jacks are available for a range of standard coaxial cables.

Centre conductors are gold plated, outer conductor and body parts are nickel plated.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 25-054-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | |
| 25-054-B3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 25-054-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 2.54 Hex | 6.5 Hex | |
| 25-054-B3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | |
| 25-054-B3-AO | RG214 | AO | 2.2 | 7.2 | 11 | 2.54 Hex | 10.9 Hex | |
| 25-054-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | |
| 25-054-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | 3.25 Hex | 10.9 Hex | * |
| 25-054-B6-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.73 Hex | 6.5 Hex | 75 ohm |

Connectors are 50 ohm unless otherwise stated. Damage may occur if 50 and 75 ohm connectors are mixed.
* Soldering of centre conductor is recommended for optimum performance



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



Note - 50 and 75 ohm versions of N Type connectors are not compatible and permanent damage to the connector may occur if mated.

Straight clamp & easy fit cable jack.

For simpler assembly the clamp and Easy Fit range of cable jacks require less tooling to assemble.

Clamp jacks require only soldering of the centre conductor, the braid and jacket use a clamp mechanism to complete the assembly. Easy Fit connectors feature a centre contact where the conductor is pushed in and gripped by spring tines, giving a reliable and simple termination.

Centre conductors are gold plated, outer conductor and body parts are nickel plated.

Tooling can be found in the Accessories & Tooling section of this catalogue.



Figure 1

Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|------|----|----------------|---------------|----------------------|
| 25-050-B3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | Figure 1 |
| 25-050-B3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | Solder | Clamp | Figure 1 |
| 25-050-B6-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | Solder | Clamp | Figure 1 75 ohm |
| 25-051-B3-AN | RG213, URM67, KX4 | AN | 2.2 | 7.2 | 10 | Solder | Clamp | Figure 1 |
| 25-067-B3-DH | LMR600 | DH | 4.5 | 11.5 | 15 | Solderless | Clamp | Figure 1 Easy Fit |
| 25-068-B3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solderless | 10.9 Hex | Figure 2 Easy Fit |

Connectors are 50 ohm unless otherwise stated. Damage may occur if 50 and 75 ohm connectors are mixed.

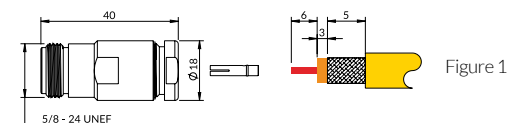


Figure 1

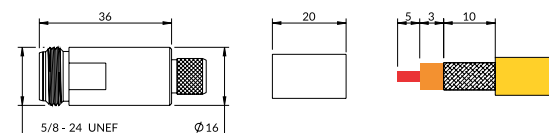


Figure 2

| Part Number | Assembly Procedure |
|--------------|--------------------|
| 25-050-B3-AH | AP010 |
| 25-050-B3-AN | AP010 |
| 25-050-B6-AI | AP016 |
| 25-051-B3-AN | AP016 |
| 25-067-B3-DH | AP25-010 |
| 25-068-B3-DE | AP025-016 |

See www.coax-connectors.com/ap for details



Figure 1



Figure 2

Straight bulkhead rear mount cable jack.

Bulkhead mount jacks are available for a range of standard flexible and semi-rigid coaxial cables.

Centre conductors are gold plated, outer conductor and body parts are nickel plated.

Connectors for flexible cable have crimped centre contacts, outer contacts are also crimped. When fitted to semi-rigid or conformable cables, centre contacts are soldered and the outer conductor is soldered directly to the rear body of the connector.

A seal on the flange provides IP67 protection.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|--------------------------|-------------|--|-----|-----|----------------|---------------|----------------------------|
| 25-254-B3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | Figure 1 |
| 25-254-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-255-B3-AD | RG174,RG188,RG316,LMR100 | AD | 0.5 | 1.5 | 2.5 | 2.54 Hex | 5.41 Hex | Figure 2 5 part |
| 25-255-B3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 2 |
| 25-255-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 2 |
| 25-255-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | Figure 2 * |
| 25-255-H3-HA | RG45 (0.085") | HB | 0.6 | | 2.2 | Solder | Solder | Direct Solder 2 Flats** |
| 25-255-H3-HB | RG402 (0.141") | HB | 1 | | 3.6 | Solder | Solder | Direct Solder 2 Flats** |

* For optimum performance, the centre conductor should be soldered, use assembly procedure AP004.
** Outline not shown, contact COAX for details.

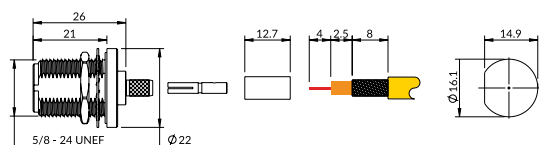


Figure 1

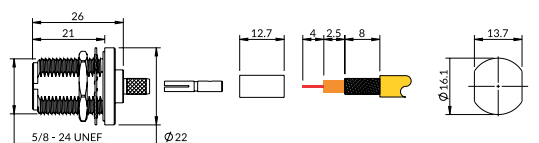


Figure 2

Assembly Procedure - AP001 & AP036 (5 part) AP033 (Direct Solder)
See www.coax-connectors.com/ap for details

Straight flange mount cable jack, crimp & direct solder.

Flange mount cable jacks for both flexible and semi-rigid cables, with a range of different 4 hole flange sizes.

Centre conductors are gold plated, outer conductor and body parts are nickel plated.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|---------------------|-------------------|-------------|--|-----|-----|----------------|---------------|--------------------------------------|
| 25-278-B3-AE | RD316,RD188 | AE | 0.5 | 1.5 | 3 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-278-B3-AH | RG58,RG141,LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 25-278-B3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 25-278-B3-AN | RG213,URM67,KX4 | AN | 2.2 | 7.2 | 10 | 2.54 Hex | 10.9 Hex | Figure 1 |
| 25-279-B3-HA | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 3 Sealed |
| 25-279-B3-HB | RG402 (0.141") | HB | 1 | | 3.6 | Solder | Solder | Figure 3 Sealed |
| 25-279-B3-HA-17.5mm | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 Sealed |
| 25-283-Q3-HA-17.5mm | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 White Bronze plated body |

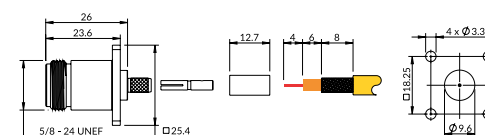


Figure 1

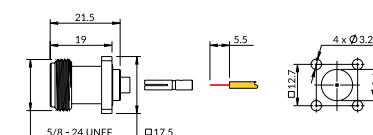


Figure 2

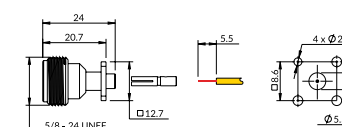


Figure 3

Assembly Procedure - AP001 & AP033 (Direct Solder), see www.coax-connectors.com/ap for details



Front mount bulkhead jack.

Front mounted jacks with solder bucket termination. This connector is supplied complete with fixing nut and either with or without solder tag.

Centre conductors are gold plated, outer conductor and body parts are nickel plated.

| Part Number | Centre Contact | Features |
|-------------|----------------|--|
| 25-350-B3 | Solder bucket | Connector and nut only - Figure 1 |
| 25-360-B3 | Solder bucket | Connector with solder tag and nut - Figure 2 |

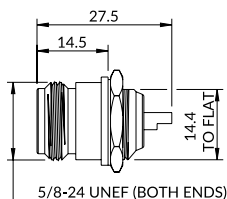


Figure 1

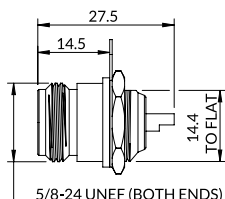
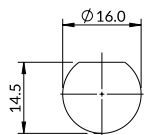
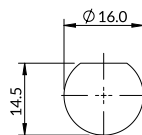


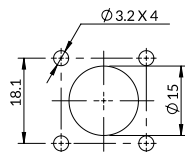
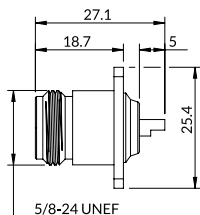
Figure 2



Bulkhead 4 hole flange mount jack.

Flange mount cable jacks with solder bucket termination. Centre conductors are gold plated, outer conductor and body are nickel plated.

| Part Number | Centre Contact | Features |
|-------------|----------------|---------------------------|
| 25-371-B3 | Solder bucket | 1" (25.4mm) square flange |



Dust cap & shorting cap.

Dust caps provide IP67 protection for an unmated connector port. Shorting caps can also be supplied.

Caps are fitted with gold plated centre contacts, the outer body parts are nickel plated.

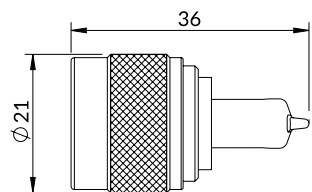
| Part Number | Descriptions |
|-------------|---------------------------------|
| 25-850-Z | Plug Dust Cap (Not illustrated) |
| 25-852-Z | Jack Dust Cap (Not illustrated) |
| 25-859-Z | Plug Shorting Cap |
| 25-858-Z | Jack Shorting Cap |



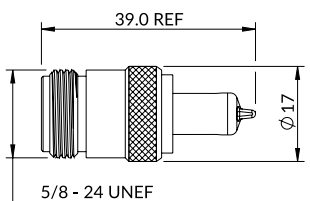
Plug shorting cap.



Jack shorting cap.



Plug shorting cap.



Jack shorting cap.

Adaptors.

Adaptors in a range of configurations for connection within the series of N Type connectors. For connecting N Types to other coaxial connector types, see our range of Inter Series Adaptors.

All adaptors have gold plated centre contacts and bodies are nickel plated.

Important note - All adaptors shown are 50 ohm and must not be mated with 75 ohm connectors or damage will occur.

Figure 1

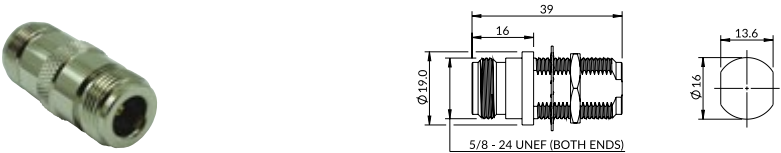


Figure 2

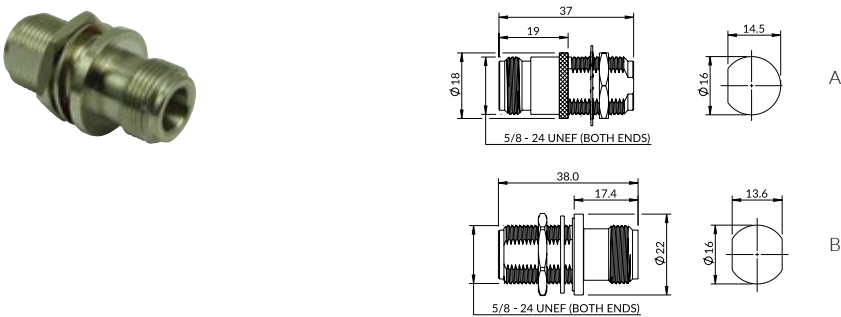


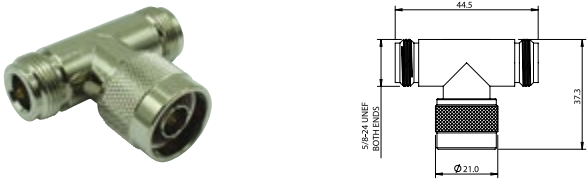
Figure 3



Figure 4



Figure 5



| Part Number | Left | Interface Arrangement | Right | Features |
|----------------|------|-----------------------|-------|----------------------------|
| 25-500-B3 | Jack | Centre | Jack | Figure 1 |
| 25-501-B3-3GHz | Jack | | Jack | Figure 2A, 3GHz |
| 25-501-B3 | Jack | | Jack | Figure 2B |
| 25-514-B3 | Plug | | Plug | Figure 3 |
| 25-520-B3-3GHz | Jack | | Plug | Figure 4, 3GHz |
| 25-520-B3 | Jack | | Plug | Figure 4 (without hex nut) |
| 25-523-A3 | Jack | Plug | Jack | Figure 5 |

DIN 41626 inserts.

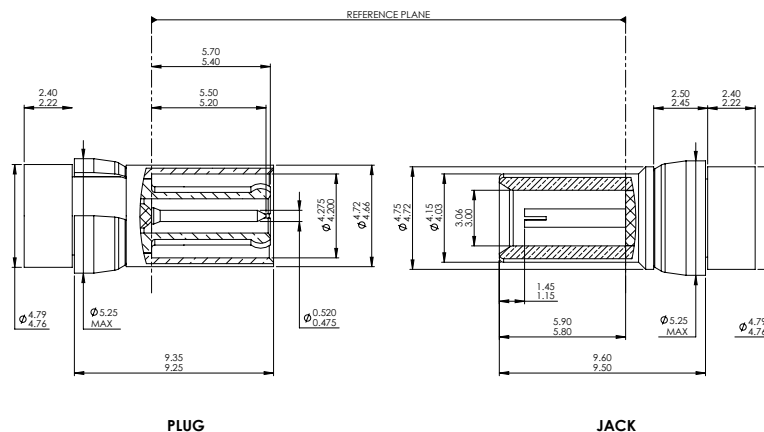
DIN 41626 inserts. Coaxial connectors used in conjunction with DIN 41612 mixed layout housings. A metal 'C' clip on the connector body locks into the plastic housing of the DIN 41612 which also allows sufficient float for correct mating.

These inserts have gold plated centre and outer contact and are suitable for use up to 2GHz

Specification.

| Electrical Specification | | Environmental Specification | |
|---|------------|-----------------------------|-------------------|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 2GHz | IP Rating (Mated) | IP40 |
| Dielectric Withstand Voltage | 250 Veff | | |
| Insulation Resistance | 200M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC 41626 | Centre Contact | Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 10N min | | |
| Mating Force | 10N max | Centre Contact Plating | Gold |
| Un-coupling Force | 10N max | Outer Contact Plating | Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

DIN 41626 interface.



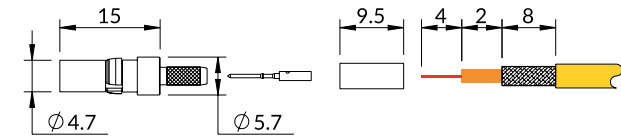
Cable plug.

A cable mounted cable plug, the gold plated centre and outer conductors are crimped using standard crimp methods.

Crimp sizes are shown in the table and suitable tooling can be found in the accessories section of this catalogue. The 'C' clip locks the connector to the DIN 41612 housing and provides float for ease of mating.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 29-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | |

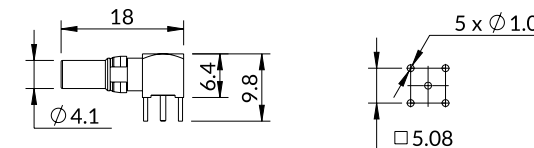


Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

PCB jack.

A right angle PCB jack with gold plated centre and outer conductors and 'C' for mounting to the DIN 41612 housing.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|-----------|
| 29-468-D6 | Solder | Solder | PCB mount |





Key features:

Wide range of body styles

Specification.

SMA interface.



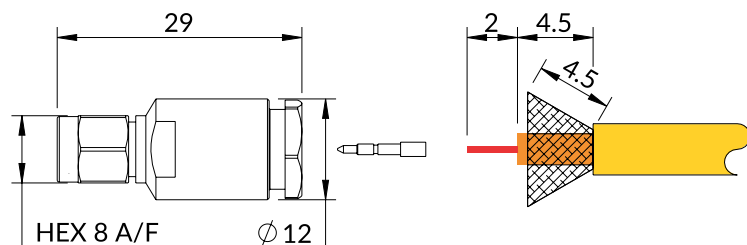
We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Straight solder clamp plug.

Straight clamp plugs can be assembled without the use of specialist crimp tooling. The centre conductor is soldered to the contact and the cable and braid are held in place by a simple clamp mechanism.

Inner contact and other body parts are gold plated.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 30-001-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | |
| 30-001-D3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | Solder | Clamp | |



Assembly Procedure - AP25-018, see www.coax-connectors.com/ap for details

Straight crimp plug.

These SMA plugs have gold plated crimped or soldered centre contacts and crimped outer conductor giving a high reliability connection. For best performance centre contacts should be crimped.

Inner contact and other body parts are gold plated.

See table for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 30-005-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 30-005-B3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 30-005-B3-DB | LMR240 | DB | 1.4 | 3.8 | 6 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 30-005-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 30-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 30-005-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | 1.07 Sq | 3.84 Hex | Figure 1 |
| 30-005-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 30-005-D3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 30-005-D3-DA | LMR200 | DA | 1.1 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 30-008-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | 5.41 Hex | Figure 2 |
| 30-008-D3-DE | LMR400, RG8, 9913 | DE | 2.7 | 7.2 | 10 | Solder | 10.9 Hex | Figure 2 |

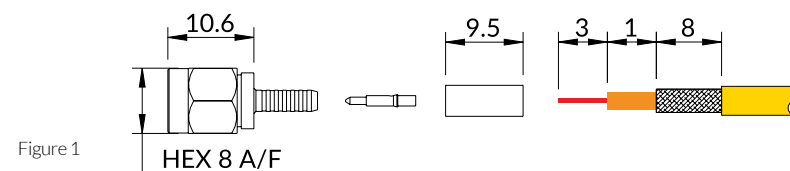


Figure 1

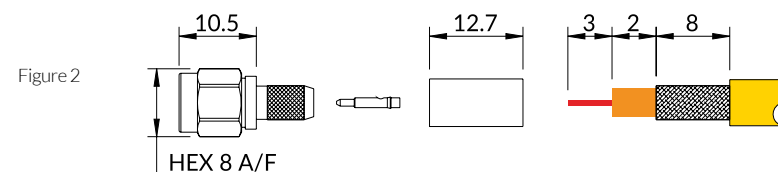


Figure 2

Assembly Procedure - AP001 & AP004 (solder), see www.coax-connectors.com/ap for details

Straight & right angle direct solder plug for semi rigid cable.

For use with semi-rigid or conformable cables, these straight and right angle plugs are soldered directly to the cables. The centre conductor is soldered to the contact and the outer jacket of the cable is soldered directly to the rear body of the connector. The right angle version has a small cap which is then used to cover over the contact joint.

Inner contact and other body parts are gold plated.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Jacket | | Centre Contact | Outer Contact | Features |
|--------------|----------------|-------------|---|-----|----------------|---------------|------------------------|
| 30-014-D3-HA | RG405(0.085") | HA | 0.6 | 2.2 | Solder | Solder | Straight, Figure 1 |
| 30-014-D3-HB | RG402 (0.141") | HB | 1 | 3.6 | Solder | Solder | Straight, Figure 1 |
| 30-108-D3-HA | RG405(0.085") | HA | 0.6 | 2.2 | Solder | Solder | Right Angle, Figure 2 |
| 30-108-D3-HB | RG402 (0.141") | HB | 1 | 3.6 | Solder | Solder | Right Angle, Figure 2z |

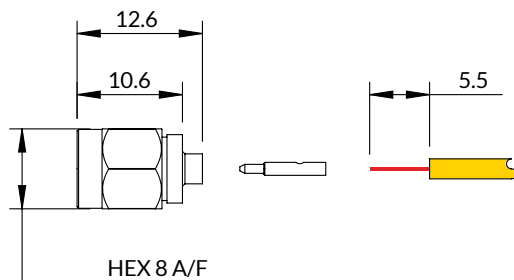


Figure 1

Assembly Procedure - AP033, see www.coax-connectors.com/ap for details

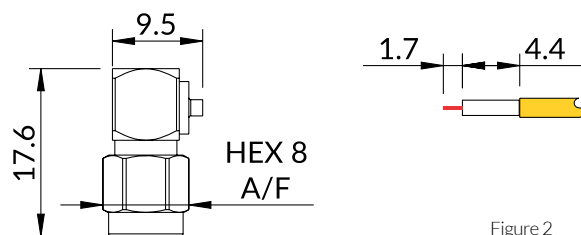


Figure 2

Assembly Procedure - AP044, see www.coax-connectors.com/ap for details

Right angle crimp plug.

These right angle connectors have a fixed centre contact which is soldered through an aperture in the body. Once soldered the aperture is sealed with a cap and the outer braid conductor is crimped to complete the assembly.

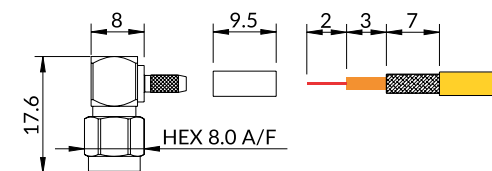
Inner contact and other body parts are gold plated.

See table for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 30-105-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Solder | 3.25 Hex | 4 part* |
| 30-105-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | |
| 30-105-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Solder | 3.84 Hex | |
| 30-105-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | 5.41 Hex | |
| 30-105-D3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | Solder | 6.5 Hex | |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.



Assembly Procedure - AP017, see www.coax-connectors.com/ap for details

Flange mount plug.

These 2 hole flange mount plugs have a solder stub contact and are available with either flush or extended dielectric.

Inner contact and other body parts are gold plated.

| Part Number | Centre Contact | Features |
|-------------|-----------------------|--------------------------------|
| 30-319-D3 | Solder - Stub contact | Figure 1 |
| 30-321-D3 | Solder - Stub contact | Figure 2 - Extended dielectric |

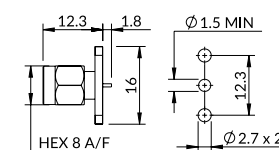


Figure 1

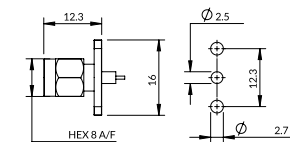


Figure 2

Straight crimp jack.

Straight cable jacks for cable mounting. These jacks fit a range of popular cables have crimped centre and outer contacts.

Inner contact and other body parts are gold plated.

See table for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------------------|
| 30-054-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1 Nickel Body |
| 30-054-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 30-069-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 2 |
| 30-054-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 30-054-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | 1.07 Sq | 3.84 Hex | Figure 1 |
| 30-054-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 30-054-D3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |

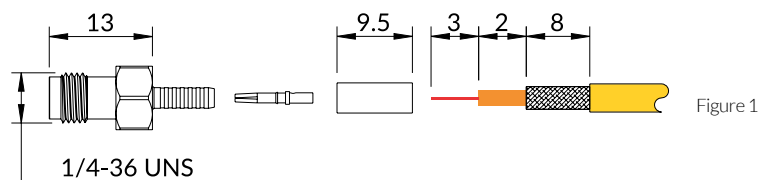


Figure 1

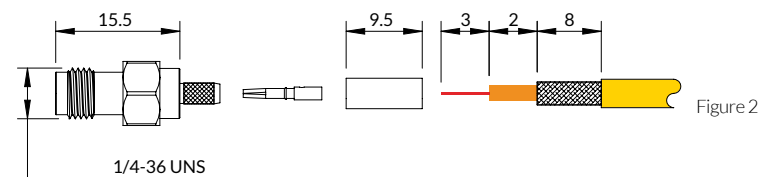


Figure 2

Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

Straight bulkhead rear mount cable jack.

These bulkhead mounted cable jacks fit a range of popular cables.

Connectors shown here are for both flexible and semi-rigid cables. Those to suit flexible cables utilise crimped centre and outer contacts. The versions for semi-rigid type cables have a soldered centre contact and the outer jacket is soldered directly to the spigot at the rear of the body.

Inner contact and other body parts are gold plated. Connectors are supplied complete with nut and lock washer for bulkhead assembly.

See table for crimp sizes; suitable tooling can be found in the Accessories & Tooling section of this catalogue.



Figure 1

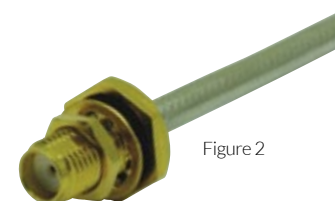


Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|--------------------------------------|
| 30-254-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 30-254-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | 1.07 Sq | 3.84 Hex | Figure 1 |
| 30-254-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1 |
| 30-254-D3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | Figure 1 |
| 30-256-B3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | Figure 1, 4 Part* Nickel plated body |
| 30-256-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | Figure 1, 4 Part* |
| 30-266-D3-HA | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 Direct Solder |
| 30-266-D3-HB | RG402(0.141") | HB | 1 | | 3.6 | Solder | Solder | Figure 2 Direct Solder |

*Items marked '4 Part' are for small cables and include a supporting sleeve for reliable assembly.

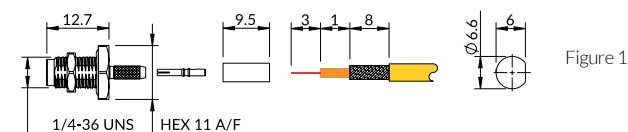


Figure 1

Assembly Procedure - AP001 (30-254) & AP002 (30-256) see www.coax-connectors.com/ap for details

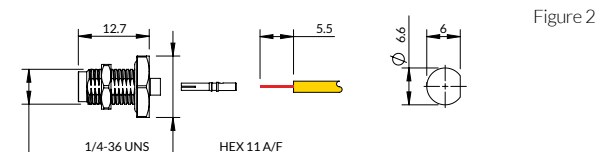


Figure 2

Assembly Procedure - AP001 (30-254) - AP002 (30-256) - AP033 (30-266)
See www.coax-connectors.com/ap for details



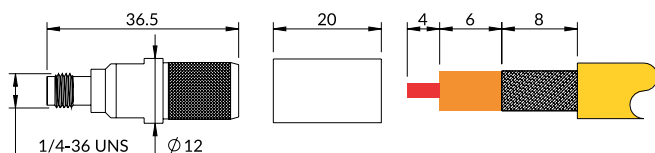
Straight Easy Fit cable jack.

Easy Fit connectors offer a simple and speedy termination method where the centre contact is pre-assembled into the connector. The prepared cable is simply pushed into the rear of the connector and the centre conductor is captivated by the contact. To complete the assembly the outer conductor is crimped using industry standard tooling.

For more information on tooling, see the Accessories & Tooling section of this catalogue.

The centre contact is gold plated and outer body parts nickel plated.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------|-------------|--|-----|----|----------------|---------------|----------|
| 30-068-B3-DE | LMR400,RG8,9913 | DE | 2.7 | 7.2 | 10 | Easy Fit | 10.9 Hex | |



Assembly Procedure - AP25-018, see www.coax-connectors.com/ap for details

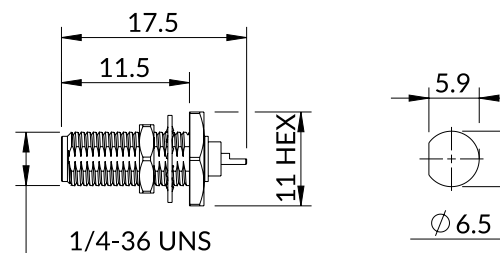
Rear mount bulkhead solder jack.

This rear mount bulkhead jack has a solder bucket centre contact and is supplied complete with fixing nut and lock washer.

Centre contact and body are gold plated.



| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|----------------|-------------------------|
| 30-352-D3 | Solder bucket | Bulkhead mount | Nut and washer included |





Straight bulkhead jack front mount.

Front mount bulkhead jacks with either solder bucket or round stub contact and include an hermetically sealed variant.

Centre contact and body are gold plated, fixing hardware is not included.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|---|
| 30-348-D3 | Solder | Panel mounted | Figure 1 - Round contact |
| 30-360-D3 | Solder | Panel mounted | Figure 1 - Solder bucket |
| 30-349-D3 | Solder | Panel mounted | Figure 2 Hermetic seal - Round contact |

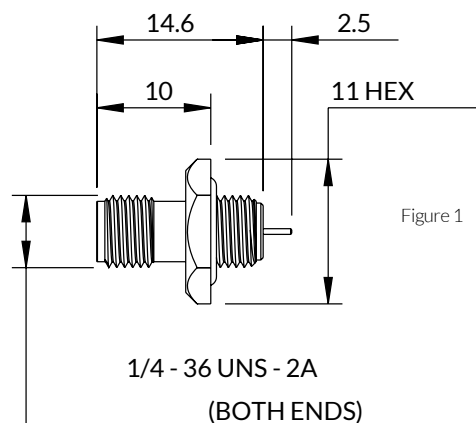


Figure 1

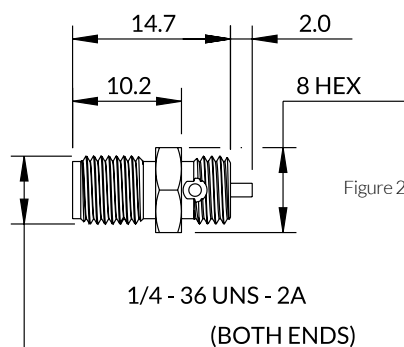


Figure 2

Straight flange mount jack.

Flange mount SMA jack for either 2 or 4 hole fixing. The 4 hole variant has a flat tab solder contact whereas the 2 hole versions have a solder bucket.

Standard plating is gold for the contact and body, however the 2 hole flange version is also available with a nickel plated body.

Figure 1



Figure 2 & 3



| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|--|
| 30-372-D3 | Solder | Panel mounted | 4 hole flange - Gold plated - Figure 1 |
| 30-368-D3 | Solder | Panel mounted | 2 hole flange - Gold plated body - Figure 2 |
| 30-368-B3 | Solder | Panel mounted | 2 hole flange - Nickel plated body - Figure 2 |
| 30-369-D3 | Solder | Panel mounted | 2 hole flange - Extended dielectric Gold plated body - Figure 3 |

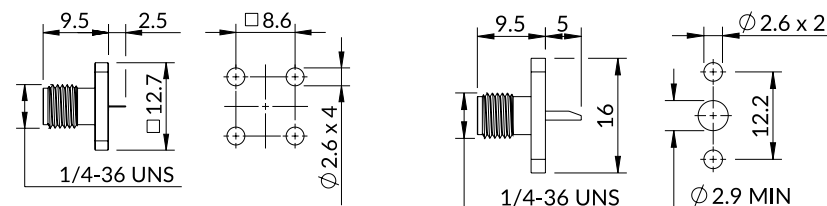


Figure 1

Figure 2

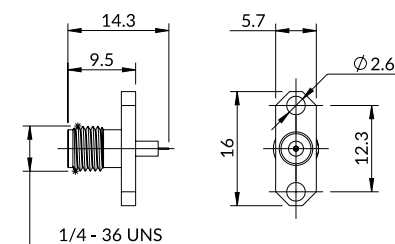


Figure 3



Figure 1



Figure 2

Straight PCB jack.

Through hole solder straight SMA jacks are available for standard PCB mounting or for additional bulkhead fitting. The bulkhead mounted version is supplied with fixing nut and lock washer as standard.

Centre contact and body are gold plated.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|---|
| 30-450-D3 | Solder | Solder | Figure 1 |
| 30-454-D3 | Solder | Solder | Figure 2 - Supplied complete with nut and lock washer |

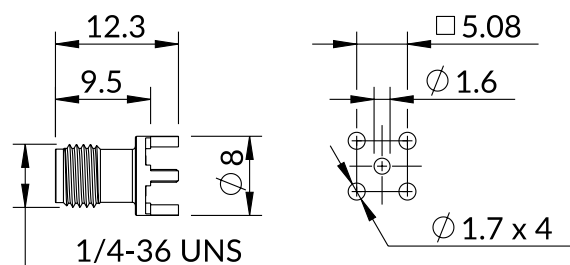


Figure 1

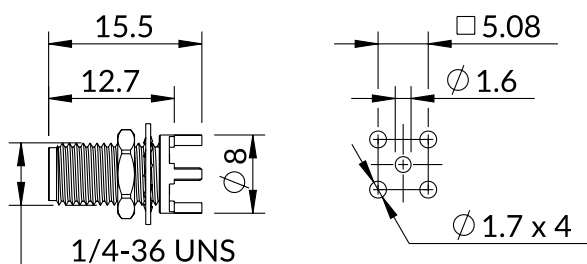


Figure 2

Right angle PCB jack.

Right angle SMA jacks are available for either through hole soldering or with co-planar legs for surface mounting.

The through hole solder style is also available with extended thread for bulkhead mounting, this version is supplied complete with fixing nut and lock washer.

Centre contact and body are gold plated.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|---|
| 30-465-D3 | Solder | Solder | Figure 1 Through hole solder |
| 30-467-D3 | Solder | Solder | Figure 2 For surface mounting (coplanar centre and outer contacts) |
| 30-468-D0 | Solder | Solder | Figure 3 Through hole solder. Supplied complete with nut and lock washer |

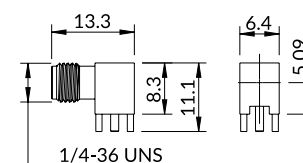


Figure 1

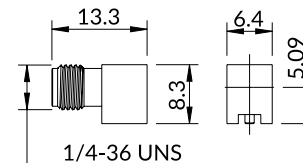


Figure 2

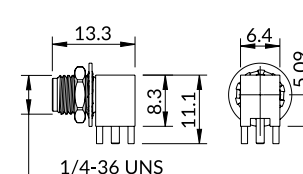


Figure 3



Figure 1



Figure 2



Figure 3

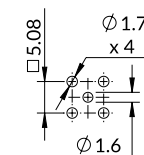
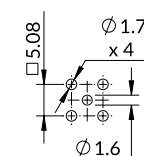




Figure 1



Figure 2



Figure 3

End launch PCB jack.

For edge mount fitting to standard 1.6mm thick PCBs, these connectors provide low profile mounting to solder pads on the board edge.

Options include a version with the centre line of the contact aligned to the plane of the PCB and a bulkhead mount version.

Centre contact and body are gold plated and the bulkhead fixing version includes a fixing nut and lock washer.

| Part Number | Centre Contact | Outer Contact | PCB nominal thickness | Features |
|-------------------|----------------|---------------|-----------------------|---|
| 30-390-D3-1.6 | Solder | Solder | 1.6mm | Figure 1 Contact in alignment with PCB |
| 30-459-D3 - 1.6mm | Solder | Solder | 1.6mm | Figure 2 |
| 30-462-D3-1.6mm | Solder | Solder | 1.6mm | Figure 3, Bulkhead mount, supplied complete with nut and washer |

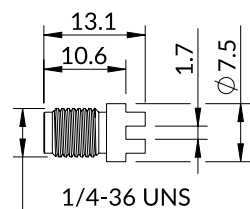


Figure 1

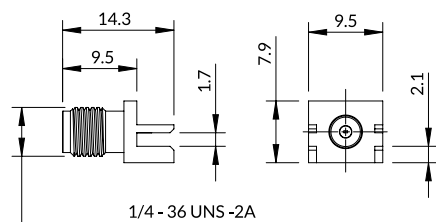


Figure 2

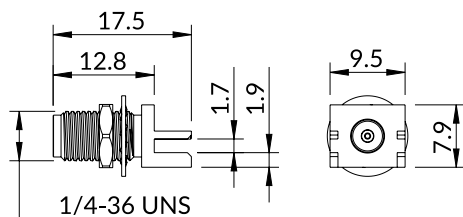


Figure 3

Shorting cap & dust cap to fit SMA jack.

These sealed caps provides IP67 protection when mated with an SMA jack and include a chain and eyelet for securing to a nearby fixing point.

| Part Number | Description | Chain Length | Eyelet Hole Ø |
|-------------|-------------------------|--------------|---------------|
| 30-890-A3 | Dust Cap | 50mm | 4mm |
| 30-890-1-A3 | Shorting Cap / Dust Cap | 50mm | 4mm |



Adaptors.

Adaptors in a range of configurations for connection within the SMA series.
For connecting SMA to other coaxial connector types, see our range of Inter Series Adaptors.

All adaptors have gold plated centre contacts and bodies.

Figure 1



Figure 2

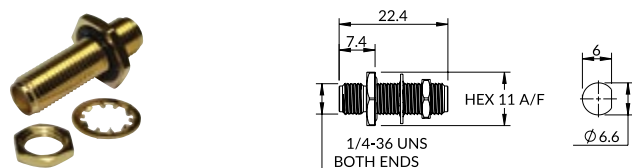


Figure 3



Figure 4



Figure 5



Figure 6



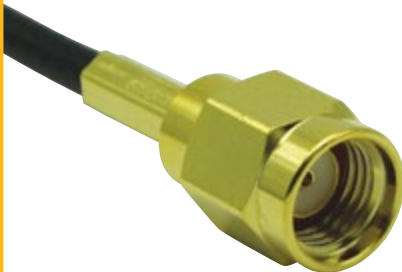
| Part Number | | Interface Arrangement | | | Figure | Features |
|-------------|--------------------------|-----------------------|--------|-------|--------|---------------------|
| | | Left | Centre | Right | | |
| 30-500-D3 | SMA Straight Adaptor | Jack | | Jack | Fig. 1 | |
| 30-501-D10 | SMA Bulkhead Adaptor | Jack | | Jack | Fig. 2 | Hermetically Sealed |
| 30-501-D3 | SMA Bulkhead Adaptor | Jack | | Jack | Fig. 2 | |
| 30-514-D3 | SMA Straight Adaptor | Plug | | Plug | Fig. 3 | |
| 30-520-D3 | SMA Right Angle Adaptor, | Plug | | Jack | Fig. 4 | |
| 30-522-D3 | SMA 'T' Adaptor | Jack | Jack | Jack | Fig. 5 | |
| 30-523-D3 | SMA 'T' Adaptor | Jack | Plug | Jack | Fig. 6 | |

RP straight crimp plug.

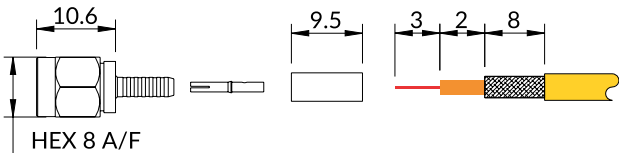
Reverse polarity version of standard crimp cable plug. This connector is available for a range of standard coaxial cables.

Reverse polarity connectors are ideal for use where it is necessary to differentiate between different lines and avoid incorrect connections.

Centre contact and body are gold plated except where otherwise stated.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|--------------------|
| 31-005-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Nickel plated body |
| 31-005-B3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Nickel plated body |
| 31-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | |
| 31-005-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | |
| 31-005-D3-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | |



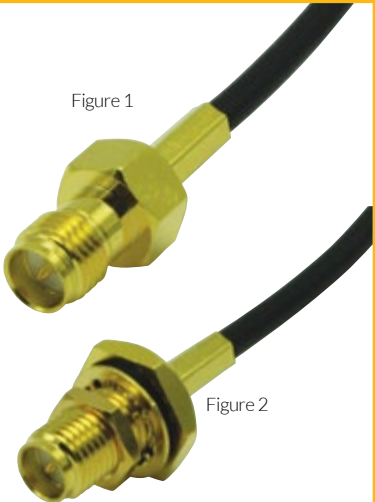
Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

RP straight crimp jack.

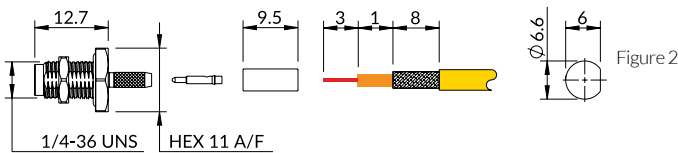
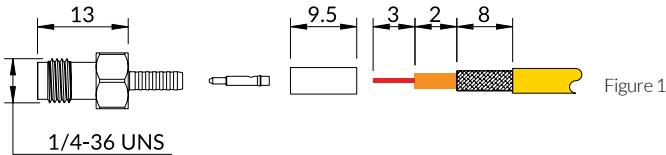
Reverse polarity cable mounted jacks are available either for free cable or bulkhead mounting.

Reverse polarity connectors are ideal for use where it is necessary to differentiate between different lines and avoid incorrect connections.

Centre contact and body are gold plated except where otherwise stated.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|----------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|------------------------------|
| 31-054-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1, Nickel plated body |
| 31-054-A3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1, Nickel plated body |
| 31-054-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 1 |
| 31-054-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 1, Rear mount |
| 31-254-1-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | Figure 2 Rear mount |
| 31-254-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.07 Sq | 3.25 Hex | Figure 2 |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



| SMB | Page |
|---------------------------------------|------|
| Straight cable plug | 124 |
| Right angle cable plug | 125 |
| Straight jack | 126 |
| Straight bulkhead jack | 127 |
| Right angle bulkhead jack | 127 |
| Straight 2 & 4 hole flange mount jack | 128 |
| Straight PCB jack | 129 |
| Right angle PCB | 130 |
| Adaptors | 131 |

SMB connectors.

SMB 50 ohm sub-miniature series are a widely used general purpose RF connector meeting IEC 60169-10. Smaller than SMA they feature a snap together coupling and are suitable for applications up to 4GHz.

SMB have a gold plated centre and outer contact and are suited to applications in all industries. In common with the similar screw coupled SMC series, the centre contacts of SMB are reversed when compared with the larger SMA, with the plug having the female contact.

Key Features:

- Small size
- Simple snap on coupling
- DC to 4GHz frequency range



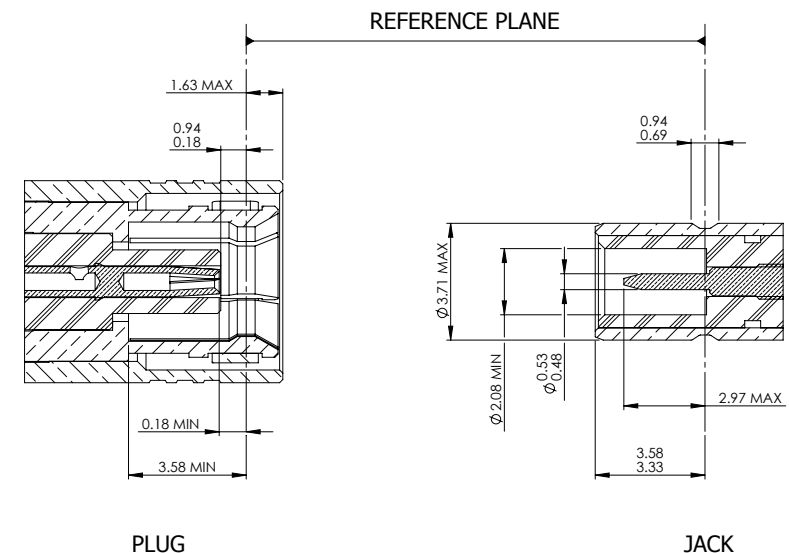
New connectors.

We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Specification.

| Electrical Specification | | Environmental Specification | |
|---|--------------|-----------------------------|---|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 4GHz | IP Rating (Mated) | IP40 |
| Dielectric Withstand Voltage | 500 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC 60169-10 | Centre Contact | Phosphur Bronze/ Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Phosphur Bronze/ Beryllium Copper/Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 10N min | | |
| Mating Force | 62N max | Centre Contact Plating | Gold |
| Un-coupling Force | 62N max | Outer Contact Plating | Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

SMB 50 ohm interface.



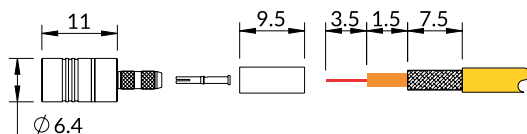


Straight cable plug.

SMB cable plugs fit a range of standard cables. Centre contacts are indent crimped and the outer conductor is hexagon crimped.

Inner and outer contacts are gold plated together with the outer body parts.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 32-005-D3-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | Indent | 3.25 Hex | |
| 32-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | |
| 32-005-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Indent | 3.84 Hex | |
| 32-010-D0-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | Indent | 4.52 Hex | |



Assembly Procedure - AP020, see www.coax-connectors.com/ap for details

Right angle cable plug.

Right angle cable plugs are available in various styles. A simple to assemble solder clamp version is available for RG178 and similar cables, the other variants use hexagon crimped outer conductors.

Two options are available for the soldering of the centre contact. The standard design is soldered through an aperture in the square body which is then covered by a cap. The 'capless' version is soldered through a cut-away recess in the extended rear body which is then covered by a flared crimp sleeve. The 'capless' version features a swept centre contact for improved RF performance.

Inner and outer contacts are gold plated together with the outer body parts.

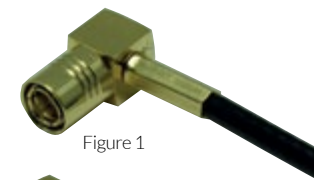


Figure 1

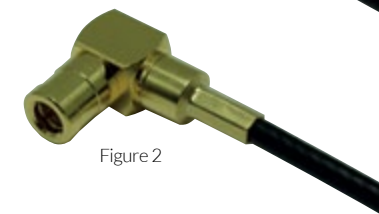


Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|------------------|
| 32-101-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Solder | Clamp | Not shown |
| 32-105-D3-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | Solder | 3.25 Hex | Figure 2 Capless |
| 32-105-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | Figure 1 |
| 32-105-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Solder | 3.84 Hex | Figure 1 |
| 32-105-D3-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | Solder | 4.52 Hex | Figure 2 Capless |
| 32-105-D3-BG | RA8000 | BG | 0.3 | 1.4 | 3 | Solder | 3.25 Hex | Figure 1 |
| 32-105-D6-AC | RD 179 | AC | 0.3 | 1.6 | 3 | Solder | 3.84 Hex | Figure 1 |

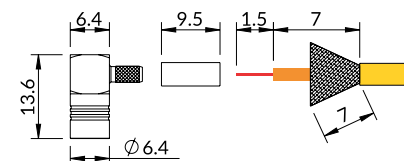


Figure 1

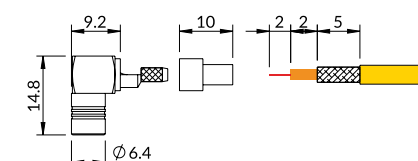


Figure 2

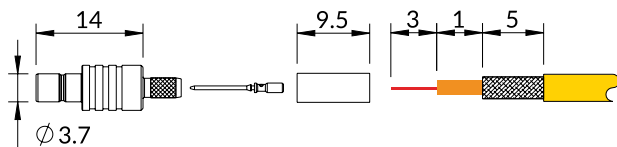
Assembly Procedure - AP017 & AP040 (capless), see www.coax-connectors.com/ap for details

Straight jack.

SMB cable jacks fit a range of standard cables. Centre contacts are indent crimped and the outer conductor is hexagon crimped.

Inner contacts are gold plated, outer body parts are either gold or nickel depending on part number selected.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|--------------------|
| 32-054-B3-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | Indent | 3.25 Hex | Nickel plated body |
| 32-054-B3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | Nickel plated body |
| 32-054-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Indent | 3.84 Hex | Gold plated body |



Assembly Procedure - AP020, see www.coax-connectors.com/ap for details

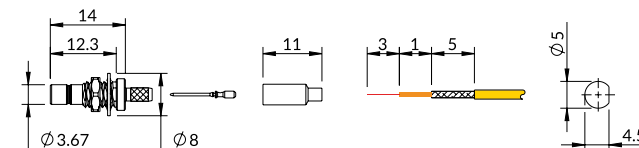
Straight bulkhead rear mount jack.

Bulkhead cable jacks fit a range of standard cables. Centre contacts are indent or square crimped and the outer conductor is hexagon crimped.

All bulkhead connectors are supplied complete with fixing nut and washer.

Inner contacts are gold plated, outer body parts are either gold or nickel depending on part number selected.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|--------------------|
| 32-254-A3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | Nickel plated body |
| 32-254-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | |
| 32-254-D3-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 1.07 Sq | 3.25 Hex | |



Assembly Procedure - AP001 (Sq. centre crimp) & AP020 (Indent centre crimp) see www.coax-connectors.com/ap for details

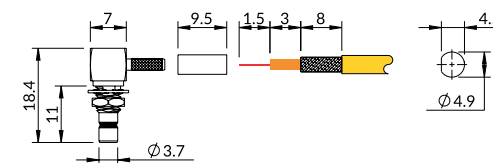
Right angle bulkhead jack.

Right angle bulkhead cable jacks have a soldered centre conductor, the outer conductor is hexagon crimped.

All bulkhead connectors are supplied complete with fixing nut and washer.

Inner and outer contacts are gold plated together with the outer body parts.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 32-271-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | |



Assembly Procedure - AP017, see www.coax-connectors.com/ap for details

Straight 2 & 4 hole flange mount jack.

Flange mount jacks are available for either 2 or 4 hole fixing.

The 4 hole version has a 0.7mm slotted centre contact and the 2 hole version a solder tab.

Centre contact and bodies are gold plated.



Figure 1



Figure 2

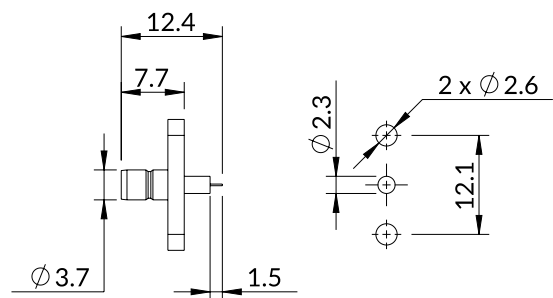


Figure 1

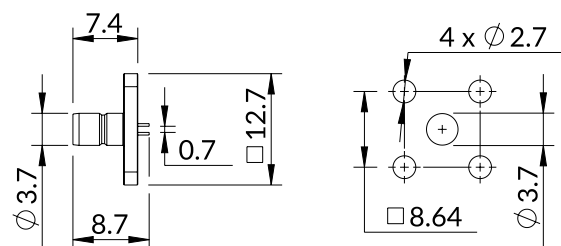


Figure 2

Straight PCB jack.

PCB through hole solder jacks are available in both 50 and 75 ohm variants and a different body styles.

Bulkhead mounted versions are supplied complete with fixing nut and lock washer.

Centre and outer contact plating are gold plated unless otherwise shown.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|---|
| 32-369-D3 | Solder | Solder | Figure 1, 2 hole flange Solder tab contact |
| 32-371-D3 | Solder | Solder | Figure 2, 4 hole flange 0.7mm slotted solder contact |
| 32-450-B3 | Solder | Solder | Figure 1 - 50 ohm tapered base - Nickel plated body |
| 32-450-D6 | Solder | Solder | Figure 2 - 75 ohm flat base |
| 32-454-D0 | Solder | Solder | Figure 3 - 50 ohm - Bulkhead |

Figure 1

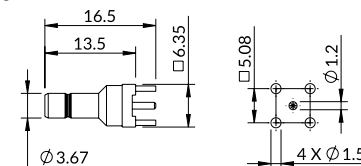


Figure 2

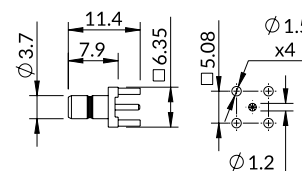


Figure 3

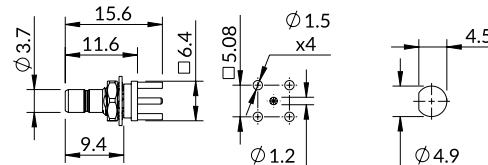


Figure 1

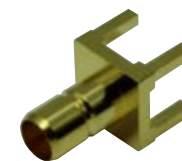


Figure 2



Figure 3



Figure 1

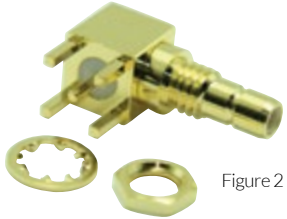


Figure 2

Right angle PCB.

Right angle through hole soldered PCB connectors are available for either stand alone or bulkhead mounting.

Bulkhead mounted versions are supplied complete with fixing nut and lock washer.

Centre and outer contacts are gold plated.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|----------------------------|
| 32-465-D0 | Solder | Solder | Figure 1 |
| 32-470-D3 | Solder | Solder | Figure 2 Bulkhead Mounting |

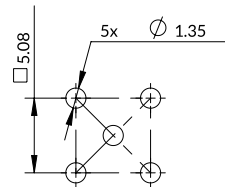
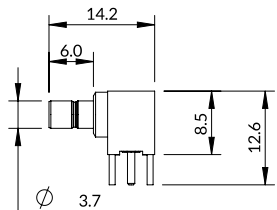


Figure 1

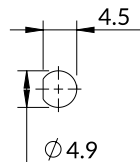
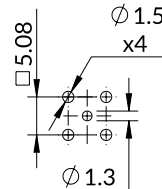
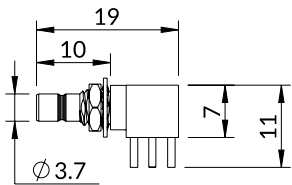


Figure 2

Adaptors.

Adaptors in a range of configurations for connection within the series of SMB connectors. For connecting SMB to other coaxial connector types, see our range of Inter Series Adaptors.

All adaptors have gold plated centre contacts and bodies.

| Part Number | Configuration | | | Features |
|-------------|---------------|------|------|---------------------------------|
| 32-501-D3 | Jack | Jack | Jack | Figure 1, Bulkhead mount |
| 32-514-D3 | Plug | Plug | Plug | Figure 2 |
| 32-522-D3 | Jack | Jack | Jack | Please contact COAX for details |
| 32-523-D3 | Jack | Plug | Jack | Please contact COAX for details |

Figure 1



Figure 2

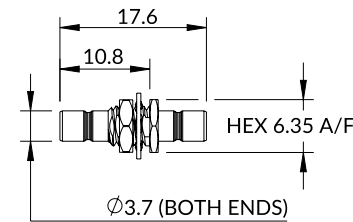


Figure 1

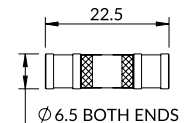
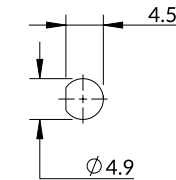
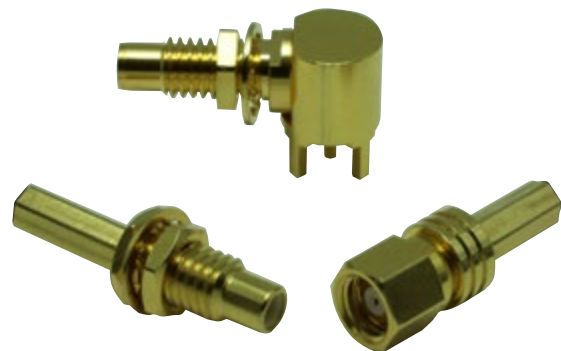


Figure 2



| SMC | Page |
|-----------------------------------|------|
| Straight & right angle cable plug | 134 |
| Right angle PCB bulk head jack | 134 |
| Straight jack | 135 |

SMC connectors.

SMC 50 ohm sub-miniature series are a widely used general purpose RF connector meeting IEC 60169-10. Smaller than SMA they feature a screw coupling and are suitable for applications up to 4GHz.

SMC have a gold plated centre and outer contact and are suited to applications in all industries. In common with the similar snap together coupled SMB series, the centre contacts of SMC are reversed when compared with the larger SMA, with the plug having the female contact.

Key Features:

Small size

Screw coupling

DC to 4GHz frequency range



New connectors.

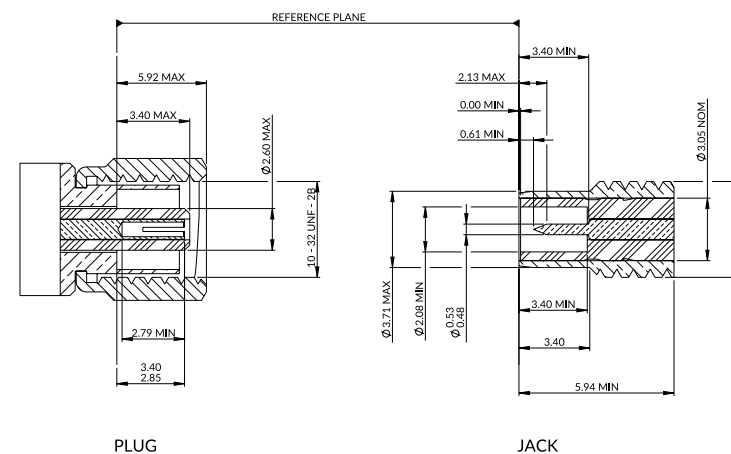
We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Specification.

| Electrical Specification | | Environmental Specification | |
|------------------------------|-------------|-----------------------------|----------------------------------|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 4GHz | IP Rating (Mated) | IP44 |
| Dielectric Withstand Voltage | 500 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC 60169-9 | Centre Contact | Phosphor Bronze/Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 18N min | Coupling Nut | Brass |
| Coupling Nut Torque | 11.3Ncm max | Centre Contact Plating | Gold |
| | | Outer Contact Plating | Gold |

The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090

SMC 50 ohm interface.

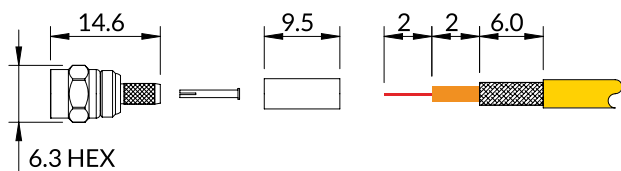


Straight & right angle cable plug.

A selection of cable plugs are available in both straight and right angle styles. Termination is either solder, crimp or clamp and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Centre and outer contacts are gold plated.

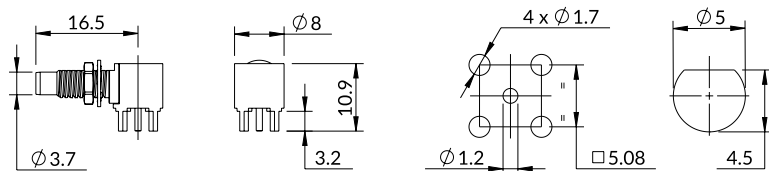
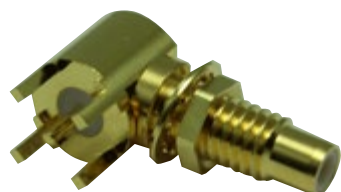
| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | | | |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------------------------------|---------|----------|-------|
| Straight | | | | | | | | | | | |
| 34-001-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | Clamp | Not shown | | | |
| 34-005-C3-AD | RG174, RG188, RG316, LMR100 | AD | | | | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | AP020 |
| 34-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | | | | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | AP020 |
| 34-005-D3-AA | RG178, RG196 | AA | | | | 0.3 | 0.8 | 2 | 1.07 Sq | 3.25 Hex | AP001 |
| Right Angle | | | | | | | | | | | |
| 34-105-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | AP017 Contact COAX for outline | | | |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap

Right angle PCB bulkhead jack.

Part number 34-468-D3.



Straight jack.

A selection of jacks are available for both cable fitting or for panel mounting. Panel mount versions include 4 hole flange mount and rear mount D hole fitting. Cable mount style is terminated using centre contact indent crimp and hex crimped outer.

Suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Centre contact and outer body parts are gold plated.



Figure 1



Figure 2



Figure 3

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|--|
| 34-254-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent Crimp | 3.25 Hex | Rear mount bulkhead. Cable fitting, Figure 1 |
| 34-350-D3 | | | | | | Solder | | Rear mount bulkhead. Solder bucket, Figure 2 |
| 34-371-D3 | | | | | | Solder Bucket | | 4 hole flange mount, Figure 3 |

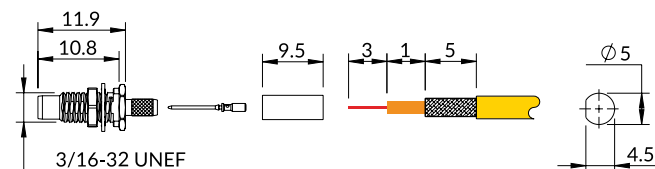


Figure 1

Assembly Procedure - AP020, see www.coax-connectors.com/ap for details

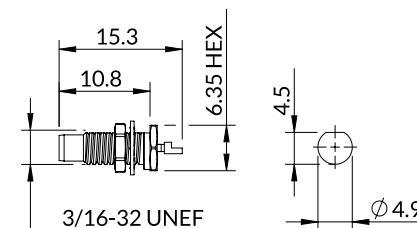


Figure 2

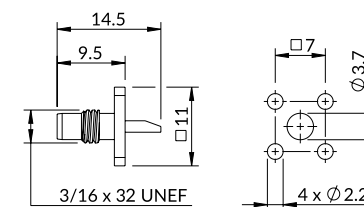


Figure 3



Type 43 (SMZ) connectors.

Type 43 (SMZ) connectors are extensively used on 75 ohm communication systems and have become the recognised standard in telecommunications in many parts of the world.

Designed around the requirements of BS9210 F0022, these connectors are designed for field installation and feature a secure latching system to prevent accidental disconnection.

Type 43 (SMZ) Connectors are available in 3 package sizes, Standard, HDC (high density) & UHDC (ultra high density).

Whilst all configurations have the same interface dimensions and are intermateable, the outer body sizes vary, UHDC being the smallest to facilitate a closer packing density on the distribution frame.

Key Features:

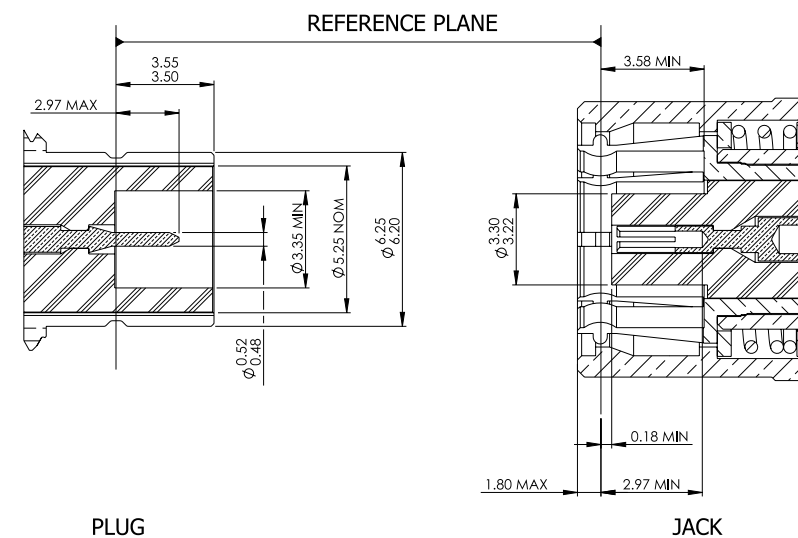
- Simple and secure latching
- Full crimp terminations
- Fits to standard telecom cables
- DDF mounting with U link connections

| Type 43 (SMZ) | Page |
|-------------------------------|------|
| Straight DDF mount cable plug | 138 |
| Straight cable socket | 139 |
| Right angle cable socket | 140 |
| Adaptor 76A | 140 |
| Right angle PCB plug | 141 |
| U Link - 13A | 141 |
| HDC 43 | |
| Straight DFF mount cable plug | 142 |
| Straight cable socket | 143 |
| HDC U Link | 146 |
| UHDC 43 | |
| Straight DFF mount cable plug | 144 |
| Straight cable socket | 145 |
| UHDC U Link | 146 |

Specification.

| Electrical Specification | | Environmental Specification | |
|---|--------------------------|-----------------------------|---|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 3GHz | IP Rating (Mated) | N/A |
| Dielectric Withstand Voltage | 1500 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | BS 9210F0022 (BT RC8003) | Centre Contact | Phosphur Bronze/ Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Phosphur Bronze/ Beryllium Copper/Brass |
| Mating Cycles | 250 | Insulator | PTFE |
| Contact Retention | 22N min | Body | Brass |
| Mating Force | 60N max | Centre Contact Plating | Gold |
| Un-coupling Force | 8-60N max | Outer Contact Plating | Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

Type 43 (SMZ) interface.

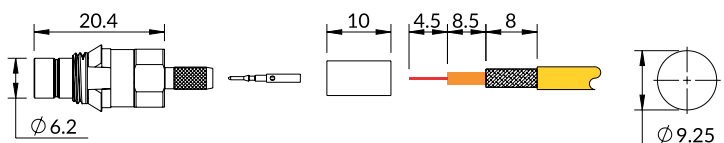


Straight DDF mount cable plug.

Type 43 DDF plugs are designed to fit to standard BT distribution frames 6000 & 6003. The white plastic C clip snaps into the mounting block allowing a small amount of float to aid alignment when fitting U links.

Centre and outer contact are gold plated and terminated by crimping. Suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|----------------------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 43-011-D6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Plug 43/4GTIS |
| 43-011-D6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Plug 43/5GTIS |
| 43-011-D6-BE | BT5000, RA5000 | BE | 1 | 4.8 | 7 | Indent | 8.23 Hex | AP022 | Plug 43/6GTIS |
| 43-011-D6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Plug 43/7GTIS |
| 43-011-D6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Plug 43/8GTIS |
| 43-011-D6-BI | 1.6 mm Dia Micro Coax | BI | 0.3 | 1.1 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |
| 43-011-D6-BJ | 2.2 mm Dia Micro Coax | BJ | 0.3 | 1.2 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap

Straight cable socket.

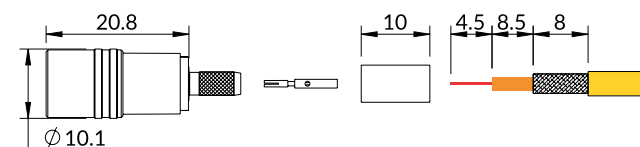
Standard Type 43 sockets provide a secure, positive lock when mated with a compatible plug and are identified with a white band on the body.

The socket locks to the mating plug by sliding the front sleeve forward, and when the sleeve is released they are locked, and can only be uncoupled by sliding back the sleeve.

Space permitting, Type 43 sockets will fit to any HDC or UHDC plug in the Type 43 range.

Centre and outer contact are gold plated and terminated by crimping. Suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|----------------------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 43-060-D6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Socket 43/4FS |
| 43-060-D6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Socket 43/5FS |
| 43-060-D6-BE | BT5000, RA5000 | BE | 1 | 4.8 | 7 | Indent | 8.23 Hex | AP022 | Socket 43/6FS |
| 43-060-D6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Socket 43/7FS |
| 43-060-D6-BG | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Socket 43/8FS |
| 43-060-D6-BI | 1.6 mm Dia Micro Coax | BI | 0.3 | 1.1 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |
| 43-060-D6-BJ | 2.2 mm Dia Micro Coax | BJ | 0.3 | 1.2 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap



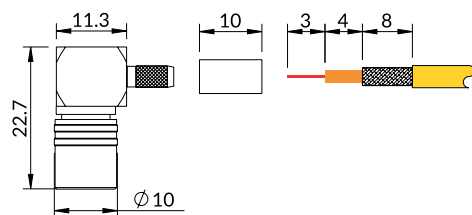
Right angle cable socket.

This socket is connected to cable by soldering the centre contact through an aperture in the square body and crimping the outer conductor. The aperture is sealed with a press in cap to complete the assembly.

Simple and robust connection is made by sliding the outer sleeve back or forward to connect and dis-connect from the mating plug.

Centre and outer contacts are gold plated, outer body parts are nickel plated.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Telecom Industry Designation |
|--------------|----------------------------|-------------|--|-----|---|----------------|---------------|------------------------------|
| 43-105-D6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | Solder | 3.25 Hex | Socket 43/4C |
| 43-105-D6-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | Solder | 6.5 Hex | |
| 43-105-D6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | Solder | 4.52 Hex | Socket 43/5C |
| 43-105-D6-BE | BT5000, RA5000 | BE | 1 | 4.8 | 7 | Solder | 8.23 Hex | Socket 43/6C |
| 43-105-D6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | Socket 43/7C |



Assembly Procedure - AP017, see www.coax-connectors.com/ap for details



Adaptor 76A.

Adaptor for connecting between a BNC jack and a Type 43 socket. Centre and outer contacts are gold plated, the body is nickel plated. See our Inter-Series Adaptors section for a full range of adaptors.

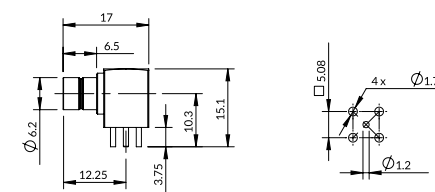
| Part Number | Telecom Industry Designation |
|-------------|------------------------------|
| 43-76A | Adaptor 76A |

Right angle PCB plug.

PCB through hole solder right angle plug. Inner contact and outer body parts are gold plated.



| Part Number | Centre Contact | Outer Contact | Telecom Industry Designation |
|-------------|----------------|---------------|------------------------------|
| 43-415-D3 | Solder | Solder | Plug 43/1E |



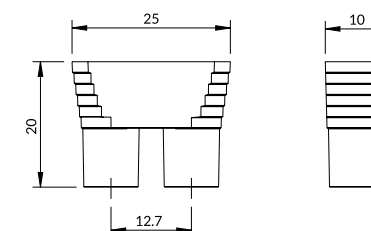
U Link - 13A.

Type 43 U link used in conjunction with cable plugs mounted on a 12.7mm pitch distribution frame. The U link makes a direct connection between the 2 adjacent ports.

Centre and outer contacts are gold plated, the body is nickel plated.



| Part Number | Telecom Industry Designation |
|-------------|------------------------------|
| 43-528-D6 | Link Coaxial 13A |



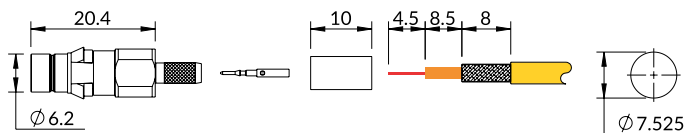


Straight DDF mount cable plug.

HDC 43 DDF plugs are designed to fit to standard HDC distribution frames with B2 mounting blocks. The blue plastic C clip snaps into the mounting block allowing a small amount of float to aid alignment when fitting U links.

Centre and outer contact are gold plated and terminated by crimping. Suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|----------------------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 43-012-D6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Plug HDC43/4GTIS |
| 43-012-D6-AC | RD 179 | AC | 0.3 | 1.6 | 3 | 0.95 Sq | 3.84 Hex | AP023 | |
| 43-012-D6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Plug HDC43/5GTIS |
| 43-012-D6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Plug HDC43/7GTIS |
| 43-012-D6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Plug HDC43/8GTIS |
| 43-012-D6-BI | 1.6 mm Dia Micro Coax | BI | 0.3 | 1.1 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |
| 43-012-D6-BJ | 2.2 mm Dia Micro Coax | BJ | 0.3 | 1.2 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap

Straight cable socket.

HDC 43 sockets provide a secure, positive lock when mated with an equivalent HDC plug and are identified with a blue band on the body.

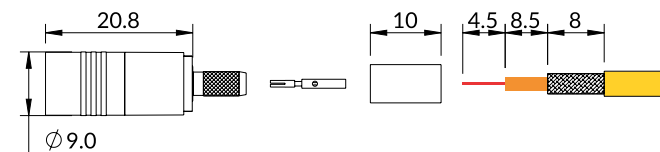
The socket locks to the mating plug by sliding the front sleeve forward, when the sleeve is released the plug and socket are locked and can only be uncoupled by sliding the sleeve back.

Space permitting, HDC sockets will fit to any plug in the Type 43 range.

Centre and outer contact are gold plated and terminated by crimping. Suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|----------------------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 43-061-D6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Socket HDC43/4FS |
| 43-061-D6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Socket HDC43/5FS |
| 43-061-D6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Socket HDC43/7FS |
| 43-061-D6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Socket HDC43/8FS |
| 43-061-D6-BI | 1.6 mm Dia Micro Coax | BI | 0.3 | 1.1 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |
| 43-061-D6-BJ | 2.2 mm Dia Micro Coax | BJ | 0.3 | 1.2 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap

Straight DDF mount cable plug.

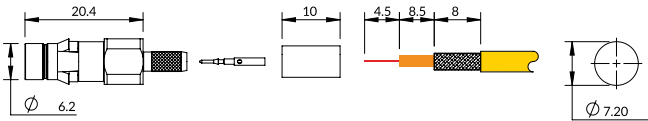


UHDC 43 DDF plugs are designed to fit to UHDC mounting blocks with a hole spacing of 9mm. The purple plastic C clip snaps into the mounting block allowing a small amount of float to aid alignment when fitting U links.

When fitted to UHDC blocks a significant space saving can be achieved when compared to standard BT plugs or HDC plugs.

Centre and outer contact are gold plated and terminated by crimping. Suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|--------------------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 43-014-D6-AB | RG179,RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Plug UHDC43/4GTIS |
| 43-014-D6-BD | BT3002,TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Plug UHDC43/5GTIS |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap

Straight cable socket.

UHDC 43 sockets provide a secure, positive lock when mated with a compatible plug and are identified with a purple band on the body.

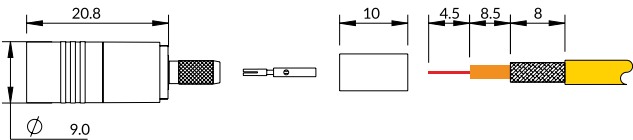
The socket locks to the mating plug by sliding the front sleeve forward, and when the sleeve is released they are locked, and can only be uncoupled by sliding back the sleeve.

UHDC sockets will fit to any plug in the Type 43 range.

Centre and outer contact are gold plated and terminated by crimping. Suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|--------------------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 43-062-D6-AB | RG179,RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Socket UHDC43/4FS |
| 43-062-D6-BD | BT3002,TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Socket UHDC43/5FS |
| 43-062-D6-BF | BT7000,RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Socket UHDC43/7FS |
| 43-062-D6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 0.95 Sq | 3.25 Hex | AP023 | Socket UHDC43/8FS |
| 43-062-D6-BI | 1.6 mm Dia Micro Coax | BI | 0.3 | 1.1 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |
| 43-062-D6-BJ | 2.2 mm Dia Micro Coax | BJ | 0.3 | 1.2 | 2 | 0.95 Sq | 3.25 Hex | AP024 | |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap

HDC & UHDC U link.



Figure 1



Figure 2



Figure 3



Figure 4

These U links are designed to fit to a pair of connectors mounted on a suitable mounting block. HDC U links connect plugs mounted on a 10mm pitch whereas UHDC connect plugs on a 9mm pitch.

All U links provide a direct connection between the 2 plug ports. The 10B & 9B are fitted with a 3rd port, which is a plug where the signal is reduced by 30dB to allow for monitoring without affecting the performance of the connected pair.

Due to the tight packing density which can allow 9A & 9B U links to touch when cables on the mating plugs are moved, the bodies of these links are insulated with a purple plastic coating.

Centre contacts are all gold plated, other body parts are nickel plated.

| Part Number | Dimension A | Dimension B | Dimension C | Dimension D | Dimension E | Features | Telecom Industry Designation |
|-------------|-------------|-------------|-------------|-------------|-------------|--------------|------------------------------|
| 43-530-D6 | 10 | 20 | 13 | 17 | 9 | Figure 1 | Link Coaxial 10A |
| 43-531-D6 | 10 | 20 | 13 | 24 | 9 | Figure 2 | Link Coaxial 10B |
| 43-532-D6 | 9 | 18 | 13 | 16 | 9 | Figure 3 | Link Coaxial 9A |
| 43-533-D6 | 9 | 18 | 13 | 24 | 9 | Figure 4 | Link Coaxial 9B |
| 43-528-D6 | | | | | | See page 141 | Link Coaxial 13A |

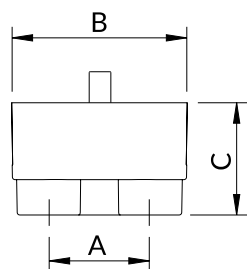


Figure 1 & 3

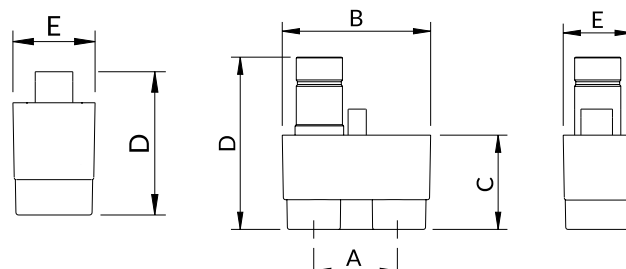


Figure 2 & 4

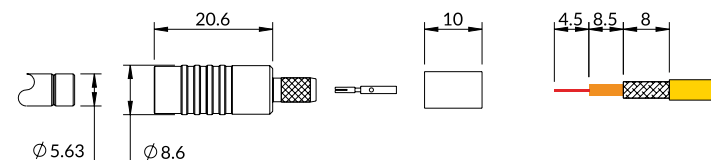
SSMZ (Huawei) coax plug.

This plug is designed to fit to coax jacks mounted on Huawei equipment.

Centre and outer conductors are crimped, for suitable tooling see the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------|-------------|--|-----|---|----------------|---------------|----------|
| 66-054-B6-BD | BT3002,TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | |
| 66-054-B6-BF | BT7000,RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details



| Type 54 | Page |
|------------------------|------|
| Straight cable plug | 150 |
| Right angle cable plug | 151 |

Type 54 (1.0/2.3) connectors.

Type 54 connectors are an evolution of the 75 ohm European standard DIN 1.0/2.3 connectors widely used in telecoms. The Type 54 series was developed in conjunction with British Telecom, as a smaller alternative to the Type 43. A key point of the development was to ensure that installation engineers could terminate both Type 43 & 54 connectors with the same tooling and methods. Crimp tools, cable stripping dimensions together with assembly processes are exactly the same for both series, saving time and capital investment for users of both connector types.

Type 54 are only available as plugs, mating connectors are standard 1.0/2.3. The coupling features a simple and secure push-pull sleeve for ease of connection/disconnection.

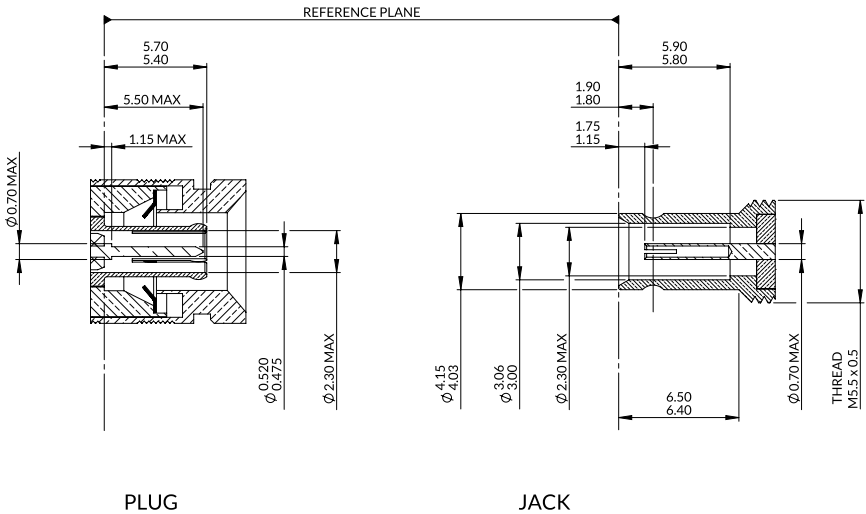
Key Features:

- Utilises Type 43 tooling
- Push-pull coupling
- Full crimp terminations
- Fits standard telecom cables

Specification.

| Electrical Specification | | Environmental Specification | |
|---|-------------------------|-----------------------------|-------------------|
| Impedance | 75 ohm | Operation Temperature | -55 to +155 Deg C |
| Frequency Range | Up to 3GHz | IP Rating (Mated) | IP30 |
| Dielectric Withstand Voltage | 750 Veff | | |
| Insulation Resistance | 200 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | BT RC9333 (CECC 22 230) | Centre Contact | Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Beryllium Copper |
| Mating Cycles | 250 | Insulator | PTFE |
| Contact Retention | 15N min | Coupling Nut | Brass |
| Mating Force | 0.9-1.0N | Centre Contact Plating | Gold |
| Un-coupling Force | 0.9-1.0N | Outer Contact Plating | Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

Type 54 (1.0/2.3 75 ohm) interface.





Straight cable plug.

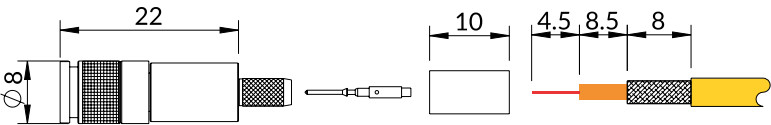
Type 54 straight 75 ohm plugs are designed to suit a range of standard telecom cables and will mate with any 1.0/2.3 jack.

Both centre and outer conductor are crimped using the same tooling as the Type 43 series to give a high performance, reliable connection.

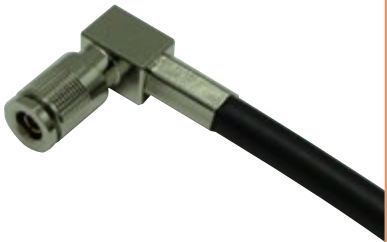
The push-pull coupling mechanism enables these plugs to be easily connected by simply pushing onto the jack. To uncouple, the sleeve is simply pulled back by hand or with an extractor tool.

Crimp sizes are shown below, suitable crimp and extraction tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|-----------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 24-005-B6-BD | BT3002,TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | AP023 | Plug 54/5B |
| 24-005-B6-BF | BT7000,RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | AP023 | Plug 54/7B |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap



Right angle cable plug.

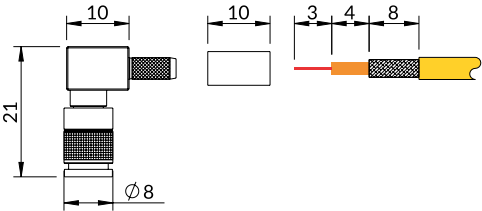
Type 54 right angle 75 ohm plugs are designed to suit a range of standard telecom cables and will mate with any 1.0/2.3 jack.

Centre contact is soldered and the outer conductor is crimped using the same tooling and stripping as the Type 43 series to give a high performance, reliable connection.

The push-pull coupling mechanism enables these plugs to be easily connected by simply pushing onto the jack. To uncouple, the sleeve is simply pulled back by hand or with an extractor tool.

Crimp sizes are shown below, suitable crimp and extraction tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Assembly Procedure | Telecom Industry Designation |
|--------------|-----------------|-------------|--|-----|---|----------------|---------------|--------------------|------------------------------|
| 24-104-B6-BD | BT3002,TZC75024 | BD | 0.3 | 1.9 | 4 | Solder | 4.52 Hex | AP017 | Plug 54/5A |
| 24-104-B6-BF | BT7000,RA7000 | BF | 0.6 | 2.8 | 5 | Solder | 5.18 Hex | AP017 | Plug 54/7A |



Assembly Procedure - see table and for details go to www.coax-connectors.com/ap



| 1.0/2.3 - 75 ohm | Page |
|--|------|
| Straight cable plug | 154 |
| Straight crimp cable jack including bulkhead mount | 155 |
| Right angle crimp plug | 155 |
| Right angle bulkhead mount crimp jack | 156 |
| End launch PCB bulkhead jack | 156 |
| Straight PCB jack | 157 |
| Right angle PCB bulkhead jack | 157 |

DIN 1.0/2.3 connectors.

1.0/2.3 connectors are available in either 50 or True 75 ohm designs.

The 50 ohm variants are widely used throughout Europe being based on the DIN standard 60169-10.

Due to their compact size and the easy to use Push-Pull coupling, the 75 ohm variants have been adopted as standard for use in Broadcast and Telecom industries as a space saving alternative to BNC and other similar series.

The Push-Pull plug allows connectors to be quickly and securely connected by simply pushing onto the mating jack; removal is by sliding back the coupling sleeve with fingers, or a removal tool when space is restricted. Bulkhead mount jacks are fitted with a circular slotted locking nut.

Key features:

- Small size for high density mounting
- Push-Pull coupling
- Gold plated inner and outer contacts
- Up to 4.5GHz on selected parts



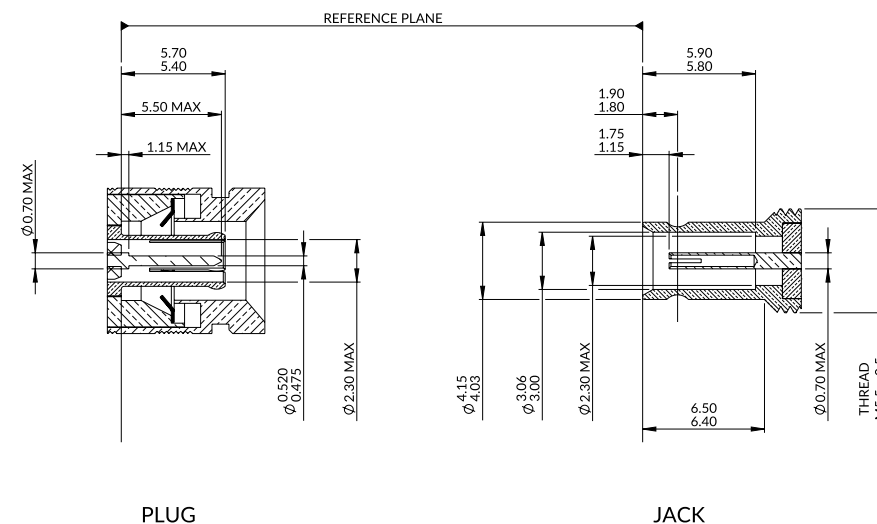
New connectors.

We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Specification.

| Electrical Specification | | Environmental Specification | |
|---|--------------|-----------------------------|-------------------|
| Impedance | 75/50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 4.5GHz | IP Rating (Mated) | IP40 |
| Dielectric Withstand Voltage | 500 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC 60169-29 | Centre Contact | Beryllium Copper |
| RoHS Compliant | Yes | Outer Contact | Phosphor Bronze |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 10N min | Coupling Nut | Brass |
| Mating Force | <25N max | Centre Contact Plating | Gold |
| Un-coupling Force | 3-25N | Outer Contact Plating | Gold |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

DIN 1.0/2.3 Interface.





Straight cable plug.

The range of cable plugs includes both standard 50 ohm, plus True 75 ohm options that give excellent low loss performance up to 4.5GHz.

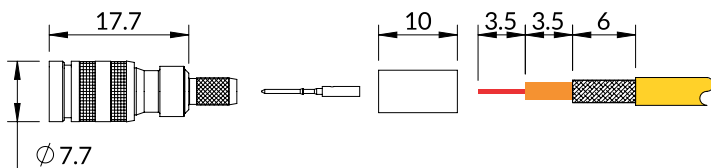
A wide range of industry standard cables for both Broadcast and Telecom are covered. Crimped centre contacts are gold plated; outer contacts are also gold plated. Other body parts are nickel plated and outer conductor termination is with a hexagon crimp.

1.0/2.3-75 ohm crimp plugs are designed for assembly with the COAX crimp alignment tool (100-1023) which overcomes the problem of contacts being misaligned.

Plugs can be connected and disconnected by hand, or where space is restricted, a removal tool (96-1023) is available, see Accessories & Tooling section for details.

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---|-------------|---|-----|-----|----------------|---------------|----------|
| 52-005-B6-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | * |
| 52-005-B0-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | 5.41 Hex | 50 ohm |
| 52-005-B0-AK | RG223 | AK | 0.95 | 3.1 | 5.4 | 1.73 Hex | 6.5 Hex | 50 ohm |
| 52-005-B6-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 0.95 Sq | 3.25 Hex | * |
| 52-005-B6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 5.18 Hex | * |
| 52-005-B6-BF | BT7000, RA7000 | BF | 0.6 | 2.8 | 5 | 0.95 Sq | 5.18 Hex | * |
| 52-005-B6-BG | RA8000 | BG | 0.3 | 1.4 | 3 | 0.95 Sq | 3.25 Hex | * |
| 52-005-B6-BH | 735A, CT1320 | BH | 0.4 | 1.9 | 3 | | | * |
| 52-005-D3-EF | 1855A | EF | 0.6 | 2.5 | 4 | 0.95 Sq | 5.41 Hex | * |
| 52-005-B6-EH | Flex3 | EH | 0.4 | 2.3 | 4 | | | |
| 52-005-B6-FA | 1855ENH, 0.6/2.8AF, BDSO0, Image360 | FA | 0.6 | 2.8 | 4 | 0.95 Sq | 5.41 Hex | * |
| 52-005-D3-FB | 1505A, 0.8/3.7, Image720 | FB | 0.8 | 3.7 | 6 | 0.95 Sq | 6.48 Hex | |
| 52-005-B6-FE | 1505F, BD SD50F | FE | 0.8 | 3.6 | 6 | | | |

* These items are also available in bulk packs of 100 pieces.



Assembly Procedure - AP026, see www.coax-connectors.com/ap for details

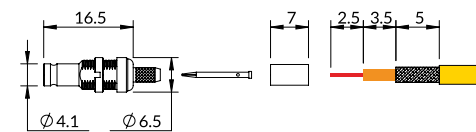
Straight crimp cable jack including bulkhead mount.

These cable jacks have crimped inner and outer gold plated contact and body.

The range includes bulkhead mount versions which are supplied complete with a circular slotted lock nut. A tool for tightening this nut (96-1136) can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---|-------------|---|-----|---|----------------|---------------|----------------|
| 52-054-D6-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | 0.95 Sq | 4.52 Hex | |
| 52-254-D6-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | 0.95 Sq | 3.25 Hex | Bulkhead mount |
| 52-254-D6-BC | BT2003, PSF 1/3 | BC | 0.6 | 3.7 | 7 | 1.73 Hex | 5.41 | Bulkhead mount |



Assembly Procedure - AP026, see www.coax-connectors.com/ap for details

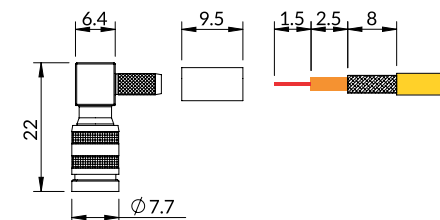
Right angle crimp plug.

All right angle cable plugs have gold plated inner and outer contacts. The inner centre conductor is soldered through the hole in the rear body, and the outer conductor is crimped.

Plugs can be connected and disconnected by hand, or where space is restricted, a removal tool (96-1023) is available, see Accessories & Tooling section for details.



| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---|-------------|---|-----|---|----------------|---------------|----------|
| 52-104-B3-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | Solder | 4.52 Hex | |
| 52-104-D3-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | Solder | 3.25 Hex | |



Assembly Procedure - AP017, see www.coax-connectors.com/ap for details

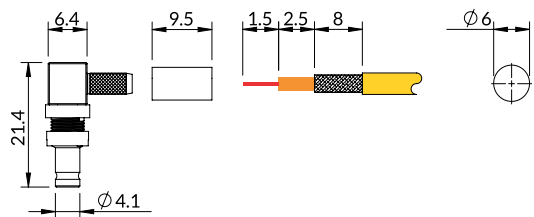


Right angle bulkhead mount crimp jack.

The body and centre contact of these right angle jacks are gold plated. The inner contact is soldered through an aperture in the square body, the outer contact is crimped.

Bulkhead mount versions are supplied complete with a circular slotted locking nut. A tool for tightening this nut (96-1136) can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Typical Cable Types (for more visit website) | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---|-------------|--|-----|---|----------------|---------------|----------|
| 52-271-D3-AB | RG179, RG187, 179DT | AB | 0.3 | 1.5 | 3 | Solder | 3.25 Hex | |
| 52-271-D3-BD | BT3002, TZC75024 | BD | 0.3 | 1.9 | 4 | Solder | 4.52 Hex | |



Assembly Procedure - AP017, see www.coax-connectors.com/ap for details



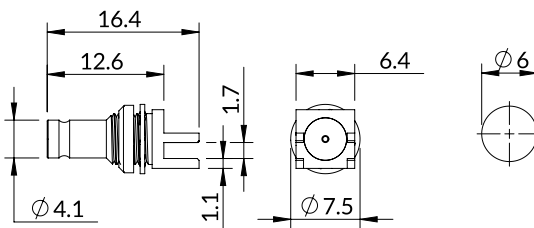
End launch PCB bulkhead jack.

PCB edge mounted jack for bulkhead fitting, supplied complete with fixing nut and lock washer. A tool for tightening this nut (96-1136) can be found in the Accessories & Tooling section of this catalogue.

These connectors are ideal for use where board space is restricted or low profile mounting is required.

Centre contact and body are gold plated.

| Part Number | Centre Contact | Outer Contact | Features |
|----------------|----------------|---------------|---------------------------|
| 52-463-D36-1.6 | Solder | Solder | For 1.6mm board thickness |



Straight PCB jack.

Straight PCB jacks shown here have gold plated inner and outer contacts and are available as standard or for bulkhead mounting.

Bulkhead mount versions are supplied complete with a circular slotted locking nut. A tool for tightening this nut (96-1136) can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|-------------------------|
| 52-450-D36 | Solder | Solder | Figure 1 |
| 52-454-D36 | Solder | Solder | Figure 2 Bulkhead mount |

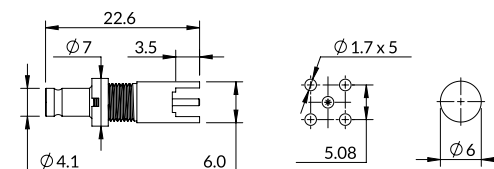


Figure 1

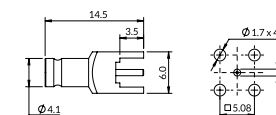


Figure 2



Figure 1



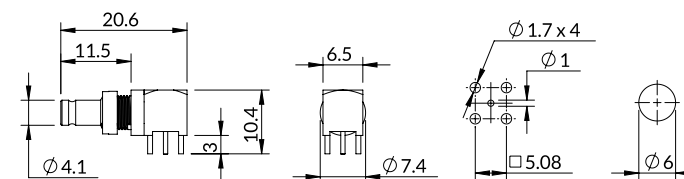
Figure 2

Right angle PCB bulkhead jack.

This bulkhead PCB jack has gold plated inner and outer contacts and is supplied complete with a circular slotted locking nut.

A tool for tightening this nut (96-1136) can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|----------------|
| 52-468-D36 | Solder | Solder | Bulkhead mount |





MCX connectors.

MCX are a range of micro miniature connectors typically used in communications applications at frequencies up to 6GHz. MCX connectors, being around 30% smaller are an alternative to the popular SMB connector range.

The reliable snap together interface provides an ideal solution where space is restricted. The right angle versions offer low profile mounting and board space is kept to a minimum.

MCX are widely used in hand-held applications and small devices in many commercial and industrial instruments.

Key Features:

Microminiature size

DC to 6GHz

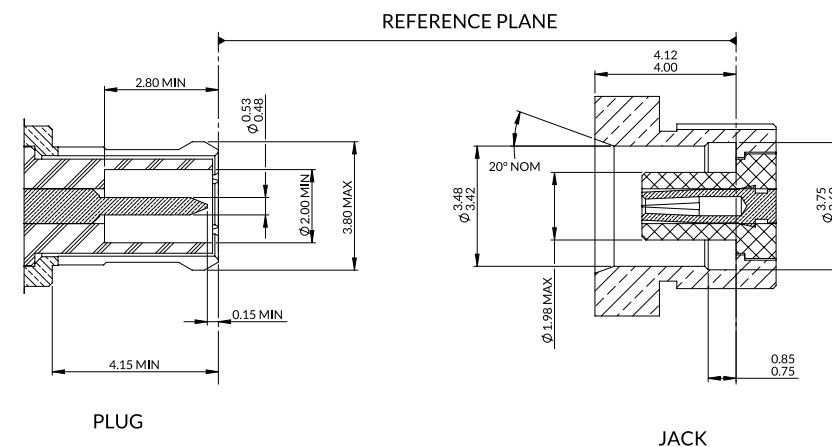
Snap together interface

| MCX | Page |
|--------------------------------------|------|
| Straight cable plug crimp and solder | 160 |
| Straight cable jack | 161 |
| Right angle cable plug | 162 |
| PCB mount | 163 |

Specification.

| Electrical Specification | | Environmental Specification | |
|---|--------------|-----------------------------|--------------------------------------|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 6GHz | IP Rating (Mated) | N/A |
| Dielectric Withstand Voltage | 500 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-36 | Centre Contact | Phosphur Bronze/ Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Phosphur Bronze/ Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 10N min | Centre Contact Plating | Gold |
| Mating Force | <25N max | Outer Contact Plating | Gold |
| Un-coupling Force | 8-20N max | | |
| The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090 | | | |

MCX interface.



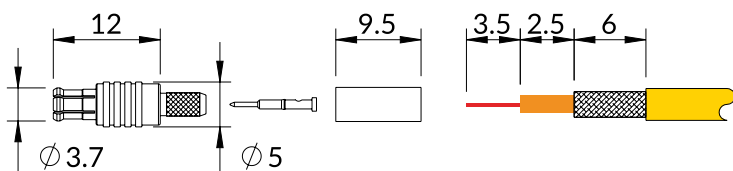
Straight cable plug crimp and solder.

MCX plugs are available for either flexible or semi-rigid cables. Centre contact and outer body parts are gold plated. Flexible cables are terminated using standard crimp methods whilst connectors for semi-rigid or conformable cables are soldered.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------|
| 45-005-A0-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | Indent | 3.25 Hex | 75 ohm |
| 45-005-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Indent | 3.25 Hex | |
| 45-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | |
| 45-005-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Indent | 3.84 Hex | |
| 45-014-D3-HA | RG405(0.085") | HA | 0.6 | 2.2 | | Solder | Solder | Not shown |

The above connectors are 50 ohm unless otherwise stated.



Assembly Procedure - AP001 (45-005) - AP033 (45-014)
See www.coax-connectors.com/ap for details

Straight cable jack.

MCX jacks are available as either free cable connectors or for bulkhead mounting. Options include connectors for fitting to flexible cable using standard crimp methods or for semi-rigid which are soldered.

Bulkhead mounted versions are rear mounted and supplied complete with fixing nut and washer.

Centre contact and outer body parts are gold plated and terminated using standard crimp methods.

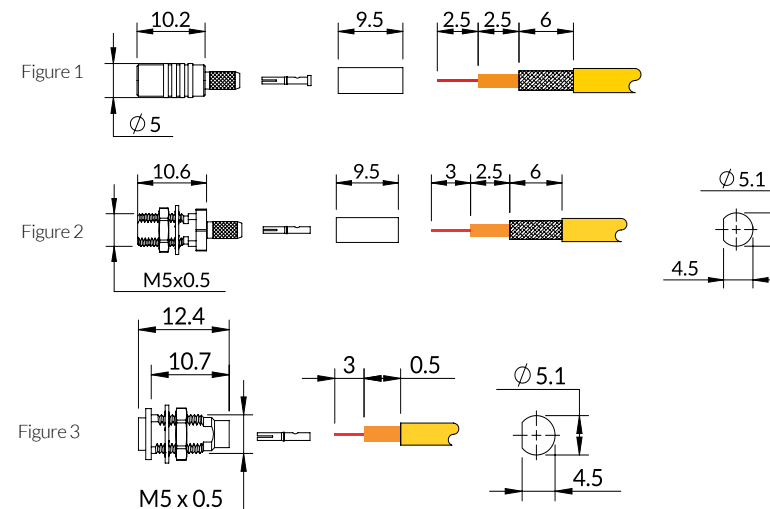
Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.



Figure 1

Figure 2

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|---|
| 45-054-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | Figure 1 |
| 45-254-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Indent | 3.25 Hex | Figure 2 Bulkhead rear mount |
| 45-347-Q3-HA | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 3 Direct Solder Bulkhead front mount |



Assembly Procedure - AP001 (45-x54) - AP033 (45-347)
See www.coax-connectors.com/ap for details.

Right angle cable plug.

MCX right angle plugs offer a low profile solution when mated with PCB jacks.

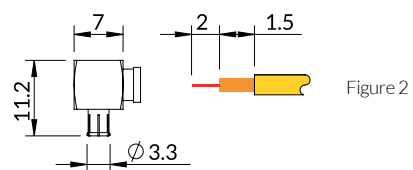
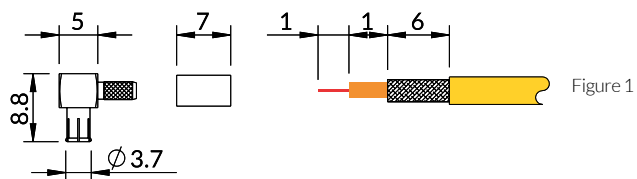
Options available include connectors for fitting to standard flexible cables or for semi-rigid and conformable cables.

The gold plated centre contacts are soldered; when fitted to flexible cable the outers are crimped whilst those for semi-rigid cables are directly soldered to the body. Outer body parts are gold plated.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------------|
| 45-105-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Solder | 3.25 Hex | Figure 1 |
| 45-105-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | Figure 1 |
| 45-105-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | Solder | 3.84 Hex | Figure 1 |
| 45-105-D3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | Solder | 5.41 Hex | Figure 1 |
| 45-105-D6-AB | RG179, RG187, Belden 179DT | AB | 0.3 | 1.5 | 3 | Solder | 3.25 Hex | Figure 1 75 ohm |
| 45-108-D3-HA | RG405 (0.085") | HA | 0.6 | | 2.2 | Solder | Solder | Figure 2 |
| 45-108-D3-HB | RG402 (0.141") | HB | 1 | | 3.6 | Solder | Solder | Figure 2 |

All the above connectors are 50ohm unless otherwise shown.



PCB mount.

MCX connectors for PCB mounting are available in straight or right angle styles.

Centre contact and body parts are gold plated.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|------------------------------------|
| 45-450-D3 | Solder | Solder | Figure 1 - Straight Jack 50 ohm |
| 45-450-D6 | Solder | Solder | Figure 1 - Straight Jack 75 ohm |
| 45-465-D3 | Solder | Solder | Figure 2 - Right Angle Plug 50 ohm |
| 45-411-D3 | Solder | Solder | Figure 3 - Right Angle Jack 50 ohm |

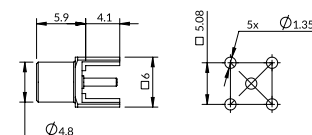


Figure 1

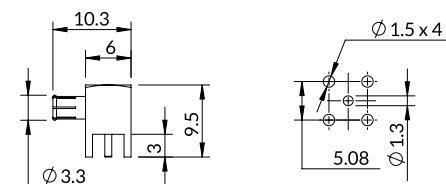


Figure 2

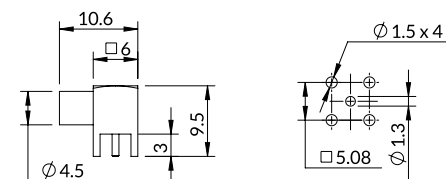


Figure 3

Assembly Procedure - AP017 (45-105) - AP033 (45-108)
See www.coax-connectors.com/ap for details



| MMCX | Page |
|---|------|
| Straight cable plug crimp and direct solder | 166 |
| Straight cable jack | 167 |
| Right angle cable solder crimp plug | 168 |
| Right angle PCB plug | 169 |
| Straight and right angle PCB jack | 169 |

MMCX connectors.

MMCX are a range of micro miniature connectors typically used in communications applications at frequencies up to 6GHz. Ideal for use where space is restricted, the right angle versions offer low profile mounting when mated to PCB jacks meaning that board space is kept to a minimum.

The reliable snap together interface allows full 360 degree rotation while mated.

MMCX are widely used in hand-held applications including GPS, industrial control and consumer devices.

Key Features:

Microminiature size
DC to 6GHz
Snap together interface



New connectors.

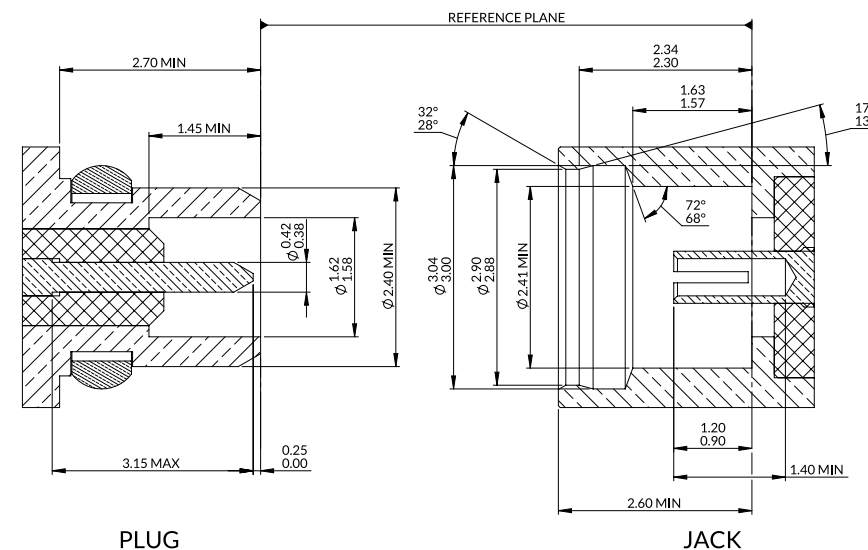
We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

Specification.

| Electrical Specification | | Environmental Specification | |
|------------------------------|--------------|-----------------------------|------------------------|
| Impedance | 50 ohm | Operation temperature | -55 to +155 Deg C |
| Frequency Range | Up to 6GHz | IP Rating (Mated) | N/A |
| Dielectric Withstand Voltage | 500 Veff | | |
| Insulation Resistance | 1000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-52 | Centre Contact | Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Beryllium Copper/Brass |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 10N min | Centre Contact Plating | Gold |
| Mating Force | 15N max | Outer Contact Plating | Gold |
| Un-coupling Force | 6-15N max | | |

The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090

MMCX 50 ohm Interface.



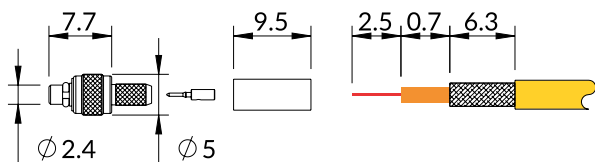


Straight cable plug crimp and direct solder.

MMCX plugs are available for either flexible or semi-rigid cables. Centre contact and outer body parts are gold plated. Flexible cables are terminated using standard crimp methods whilst connectors for semi-rigid or conformable cables are soldered.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|-----------------------------------|
| 47-005-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Indent | 3.25 Hex | |
| 47-005-D3-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | Indent | 3.25 Hex | |
| 47-005-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 0.95 Sq | 3.25 Hex | |
| 47-005-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | 0.95 Sq | 3.84 Hex | |
| 47-014-D3-HA | RG405(0.085") | HA | 0.6 | | 2.2 | Solder | Solder | For semi-rigid cable Not shown |



Assembly Procedure - AP001 & AP033 (Direct Solder), see www.coax-connectors.com/ap for details

Straight cable jack.

MMCX jacks are available as either free cable connectors or for bulkhead mounting. Bulkhead mounted versions are rear mounted and supplied complete with fixing nut and washer.

Centre contact and outer body parts are gold plated and terminated using standard crimp methods.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------------------------|
| 47-054-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Indent | 3.25 Hex | Figure 1 |
| 47-054-D3-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | Indent | 3.25 Hex | Figure 1 |
| 47-054-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 0.95 Sq | 3.25 Hex | Figure 1 |
| 47-054-D3-AE | RD316, RD188 | AE | 0.5 | 1.5 | 3 | 0.95 Sq | 3.84 Hex | Figure 1 |
| 47-254-D3-AB | RG179, RG187, Belden179DT | AB | 0.3 | 1.5 | 3 | Indent | 3.25 Hex | Figure 2 Bulkhead mount |

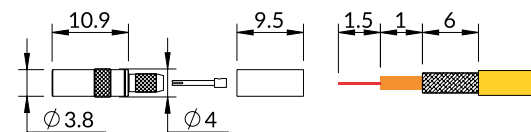


Figure 1

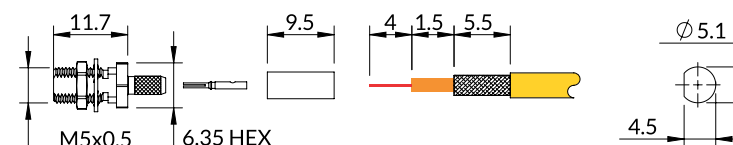


Figure 2

Assembly Procedure - AP001, see www.coax-connectors.com/ap for details

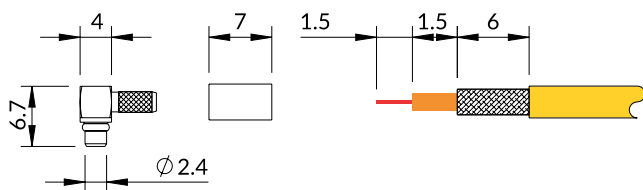
Right angle cable solder crimp plug.

MMCX right angle plugs offer a low profile solution when mated with PCB jacks.

Centre contact and outer body parts are gold plated, the centre contact is soldered and the outer is hexagon crimped.

Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

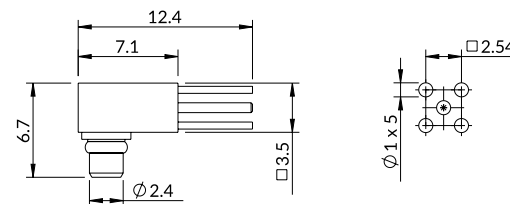
| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 47-105-D3-AA | RG178, RG196 | AA | 0.3 | 0.8 | 2 | Solder | 3.25 Hex | |
| 47-105-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | 3.25 Hex | |



Right angle PCB plug.

MMCX connectors for PCB mounting are available with gold plated body and centre contacts.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|--------------------|
| 47-460-D3 | Solder | Solder | Plug - Right angle |



Straight and right angle PCB jack.

| Part Number | Centre Contact | Outer Contact | Features |
|-------------|----------------|---------------|-----------------------------|
| 47-450-D3 | Solder | Solder | Figure 1 Jack - Straight |
| 47-465-D3 | Solder | Solder | Figure 2 Jack - Right angle |

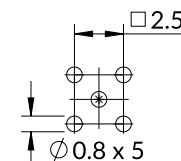
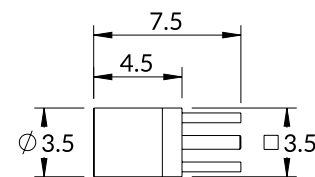


Figure 1

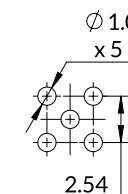
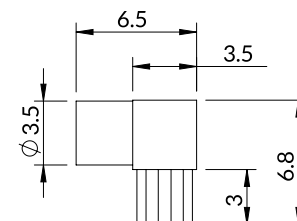


Figure 2

BMA Connectors.

BMA are a series of blind mate connectors. Similar in size to the SMA series, BMA are high frequency connectors that are ideal for rack and panel and similar applications. Panel mount jacks with slide in interface giving low insertion and built in float allow a connector array to be mated together.

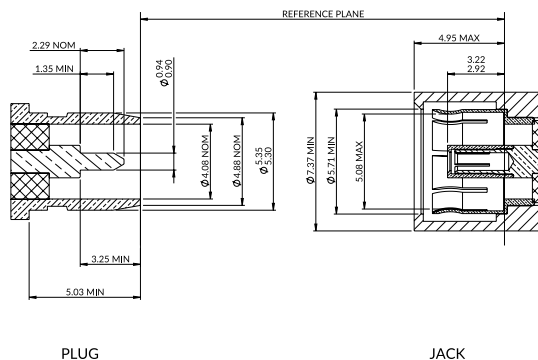
Suitable for use up to 12GHz, BMA feature gold plated centre and outer contacts.

Specification.

| Electrical Specification | | Environmental Specification | |
|------------------------------|--------------|-----------------------------|--------------------------------------|
| Impedance | 50 ohm | Operation Temperature | -55 to +125 Deg C |
| Frequency Range | Up to 12GHz | IP Rating (Mated) | N/A |
| Dielectric Withstand Voltage | 300 Veff | | |
| Insulation Resistance | 5000 M-ohm | | |
| Mechanical Specification | | Materials | |
| Design Standard | IEC-61169-33 | Centre Contact | Phosphur Bronze/ Beryllium Copper |
| ROHS Compliant | Yes | Outer Contact | Phosphur Bronze |
| Mating Cycles | 500 | Insulator | PTFE |
| Contact Retention | 27N | Coupling Nut | Brass |
| Mating Force | 13N | Centre Contact Plating | Gold |
| Un-coupling Force | 6.6N | Outer Contact Plating | Gold |

The above values are typical. Please check product data sheets for full details - see www.coax-connectors.com or call +44(0)20 8538 9090

BMA Interface.



BMA cable.

The float mount feature of BMA allows an array of panel mounted jacks to mate with PCB mounted plugs. The built in float allows each jack to align correctly to the mating half. The slide in, low insertion force, gold plated interface makes BMA ideal for blind mate applications.

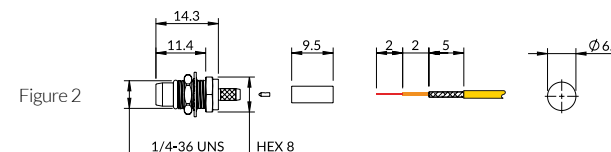
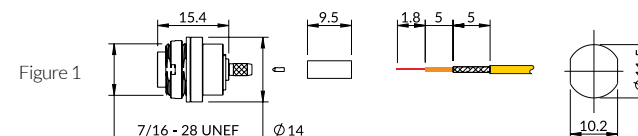
The cable mount jack has crimped centre and outer contacts. Crimp sizes are shown in the table and suitable tooling can be found in the Accessories & Tooling section of this catalogue.

Figure 1

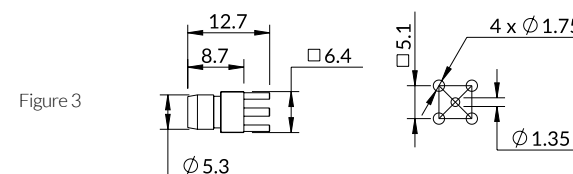
Figure 2

Figure 3

| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|---------------------------------|------------|--------|----------------|---------------|---------------------------|
| | | | Conductor | Insulation | Jacket | | | |
| 57-285-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 1 Float mount jack |
| 57-216-D3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | 1.73 Hex | 5.41 Hex | Figure 2 Cable plug |
| 57-400-D3 | | N/A | | | | Solder | Solder | Figure 3 PCB plug |



Assembly Procedure - AP001, see www.coax-connectors.com/ap for details





Inter-Series Adaptors.

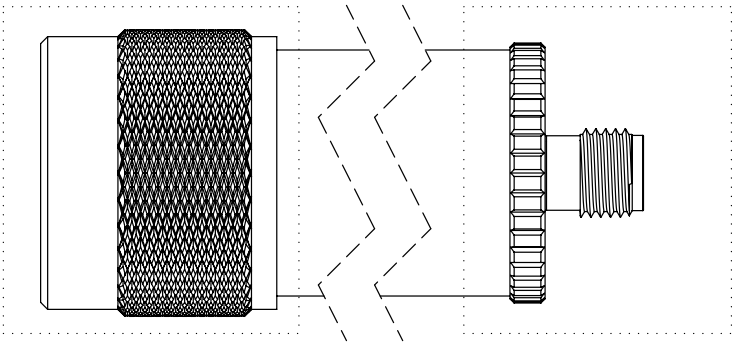
A wide selection of adaptors are available to connect between the different connector series.

Select Interface A and B from the table to find the appropriate part number.

Adaptors for interconnection within the same connector series (e.g. BNC to BNC) are shown in the pages for that type.

Interface A

Interface B



Example only - please select the required configuration from the table.



New connectors.

We are regularly designing new connectors to enhance our range, if you can not find what you need, please contact us.

| Part Number | Interface A | Interface B | Impedance | Notes |
|-----------------|--------------|----------------|-----------|----------------|
| 74-1015-500 | BNC Jack | F Type Jack | 75 ohm | |
| 74-1015-534 | BNC Jack | F Type Plug | 75 ohm | |
| 74-1067-534 | BNC Jack | Micro BNC Plug | 75 ohm | |
| 74-1025-534 | BNC Jack | N Type Plug | 50 ohm | |
| 74-1017-534 | BNC Jack | Phono Plug | 50 ohm | |
| 74-1030-534-B3 | BNC Jack | SMA Plug | 50 ohm | |
| 74-1013-534 | BNC Jack | TNC Plug | 50 ohm | |
| 74-1020-534 | BNC Jack | UHF Plug | 50 ohm | |
| 74-1016-511 | BNC Plug | Euro Jack | 50 ohm | |
| 74-1016-514 | BNC Plug | Euro Plug | 50 ohm | |
| 74-1015-511 | BNC Plug | F Type Jack | 75 ohm | |
| 74-1022-514 | BNC Plug | FME Plug | 50 ohm | |
| 74-1067-514 | BNC Plug | Micro BNC Plug | 75 ohm | 3GHz |
| 74-1025-511 | BNC Plug | N Type Jack | 50 ohm | |
| 74-1025-511-75R | BNC Plug | N Type Jack | 75 ohm | |
| 74-1025-514 | BNC Plug | N Type Plug | 50 ohm | |
| 74-1025-514-75R | BNC Plug | N Type Plug | 75 ohm | |
| 74-1017-511 | BNC Plug | Phono Jack | 50 ohm | |
| 74-1017-514 | BNC Plug | Phono Plug | 50 ohm | |
| 74-1030-511 | BNC Plug | SMA Jack | 50 ohm | |
| 74-1030-514-B3 | BNC Plug | SMA Plug | 50 ohm | |
| 74-1020-511 | BNC Plug | UHF Jack | 50 ohm | |
| 74-1525-534 | F Type Jack | N Type Plug | 75 ohm | Bulkhead Mount |
| 74-1520-534 | F Type Jack | UHF Plug | 75 ohm | |
| 74-1525-511 | F Type Plug | N Type Jack | 75 ohm | |
| 74-2225-534 | FME Plug | N Type Jack | 50 ohm | |
| 74-2225-514 | FME Plug | N Type Plug | 50 ohm | |
| 74-2213-514 | FME Plug | TNC Plug | 50 ohm | |
| 74-2022-514 | FME Plug | UHF Plug | 50 ohm | |
| 74-2122-514 | FME Plug | UHF Plug | 50 ohm | |
| 74-2555-500-E3 | N Type Jack | 7/16 Jack | 50 ohm | |
| 74-2555-534 | N Type Jack | 7/16 Plug | 50 ohm | |
| 74-2530-500 | N Type Jack | SMA Jack | 50 ohm | |
| 74-2530-501-B3 | N Type Jack | SMA Jack | 50 ohm | |
| 74-2530-534 | N Type Jack | SMA Plug | 50 ohm | |
| 74-2555-511-P3 | N Type Plug | 7/16 Jack | 50 ohm | |
| 74-2530-511 | N Type Plug | SMA Jack | 50 ohm | |
| 74-2530-514 | N Type Plug | SMA Plug | 50 ohm | |
| 74-1330-500 | TNC Jack | SMA Jack | 50 ohm | |
| 74-1330-534 | TNC Jack | SMA Plug | 50 ohm | |
| 74-1325-511 | TNC Plug | N Type Jack | 50 ohm | |
| 74-1330-511 | TNC Plug | SMA Jack | 50 ohm | |
| 43-76A | Type 43 Plug | BNC Plug | 75 ohm | |
| 74-2030-534 | UHF Jack | SMA Plug | 50 ohm | |
| 74-2025-514 | UHF Plug | N Type Jack | 50 ohm | |

Cable joiner.

These coaxial cable joiners provide a low loss method of making a permanent connection between 2 cables of the same type.

Cable joiners are ideal for repair and maintenance of damaged cables, or to aid re-routing when it is necessary to cut the cable.

These joiners use crimping to terminate the centre conductors and a clamp mechanism for the outer which also provides an IP68 seal.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|---------------------|-------------|--|-----|---|----------------|---------------|--------------------|
| 76-570-Q3-AH | RG58, RG141, LMR195 | AH | 0.9 | 2.9 | 5 | 1.73 Hex | Clamp | Figure 1 50 ohm |
| 76-570-Q6-AI | RG59, RG62, URM70 | AI | 0.6 | 3.7 | 6 | 1.73 Hex | Clamp | Figure 2 75 ohm |

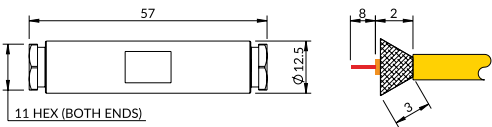


Figure 1

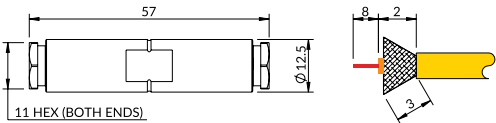


Figure 2

Assembly Procedure - AP035, see www.coax-connectors.com/ap for details

Cable terminator.

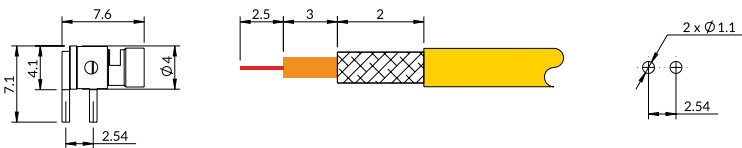
Right angled coaxial terminator, for fixing of coaxial cable directly on to a PCB.

Coaxial terminators are ideal where a permanent, low loss and reliable fitting to a PCB is required.

The cable is attached to the terminator by soldering the braid and centre conductor, which is then through hole soldered onto the PCB.



| Part Number | Cable Types | Cable Group | Cable Dimensions (nominal Ø mm) Conductor - Insulation - Jacket | | | Centre Contact | Outer Contact | Features |
|--------------|-----------------------------|-------------|--|-----|-----|----------------|---------------|----------|
| 77-495-R3-AD | RG174, RG188, RG316, LMR100 | AD | 0.5 | 1.5 | 2.5 | Solder | Solder | |



Assembly Procedure - AP034, see www.coax-connectors.com/ap for details



Crimp tools.

A wide range of hand held crimp tools for centre contacts and/or crimp sleeves for the crimp connectors manufactured by COAX Connectors.

| | |
|-----------|---|
| 96-HTS-43 | Type 43 Crimp Tool (0.95sq, 3.25, 4.52 & 5.18 mm A/F) |
| 96-HTS-75 | Crimp Tool for True 75 ohm DIN1.0/2.3, Micro BNC & BNC (0.95sq, 1.72, 5.41 & 8.23mm A/F) |
| 96-HTS-76 | Crimp Tool for True 75 ohm DIN1.0/2.3, Micro BNC & BNC (0.95sq, 1.72, 5.41 & 6.48 mm A/F) |
| 96-106G | Crimp Tool 106G (2.54, 8.20 & 11.4 mm A/F) |
| 96-106L | Crimp Tool 106L (2.54, 9.12 & 10.3 mm A/F) |
| 96-106Q | Crimp Tool 106Q (8.23 & 11.94 mm A/F) |
| 96-106X | Crimp Tool 106X (1.93 & 8.60 mm A/F) |
| 96-336A | Ratchet Crimp Tool 336A (1.73, 5.41 & 6.50 mm A/F) |
| 96-336A4 | Ratchet Crimp Tool 336A4 (1.73, 4.75, 5.41 & 6.48 mm A/F) |
| 96-336C2 | Ratchet Crimp Tool 336C2 (1.73, 6.65, 8.23 & 9.14 mm A/F) |
| 96-336D | Ratchet Crimp Tool 336D (1.73, 5.41, 6.50 & 8.23 mm A/F) |
| 96-336G | Ratchet Crimp Tool 336G (1.09sq, 1.73, 2.54, 3.48, 5.41 & 6.48 mm A/F) |
| 96-336I | Ratchet Crimp Tool 336I (1.70, 2.36, 5.41, 6.46 & 8.00 mm A/F) |
| 96-336J | Ratchet Crimp Tool 336J (1.07sq, 1.73, 1.98, 3.25, 3.88 & 4.52 mm A/F) |
| 96-336K | Ratchet Crimp Tool 336K (2.54, 3.25 & 10.9 mm A/F) |
| 96-336P1 | Ratchet Crimp Tool 336P1 (1.73, 2.49, 5.41, 6.48 & 8.15 mm A/F) |
| 96-336T1 | Ratchet Crimp Tool 336T1 (0.71sq, 0.99sq, 1.19sq, 2.54, 3.25 & 3.84 mm A/F) |
| 96-336Y | Ratchet Crimp Tool 336Y (1.12, 1.45, 1.73, 5.41 & 5.59 mm A/F) |
| 96-568R | Ratchet Crimp Tool - RJ45 |

Crimps shown above are Hexagon unless otherwise stated.



Tool kit. 96-330K

Tool Kit includes a Ratchet Crimp tool with a selection of interchangeable crimp dies, a Rotary Cable Stripper and a Cable Cutter.

Supplied in a rugged tool box, the kit includes everything you need to terminate the majority of coaxial cable connectors.

The 5 interchangeable die sets cover 15 different hexagon and square sizes, from 1.07mm (0.042") square to 10.9mm (0.429") hex.

Extraction / insertion tools.

Tools designed for extracting and/or inserting connectors used in high density applications where there is insufficient room for finger access.



| | |
|-----------------|---|
| 96-1023 | 1.0/2.3 Extractor Tool |
| 96-1132 | Micro BNC Plug Insertion & Extractor Tool |
| 96-310-832-Tool | HDC 43 T Bar Insertion & Extractor Tool |
| 96-2208 | BNC Insertion & Extractor Tool 8" |

Cable strippers.

Hand held rotary cable strippers for preparing cables prior to termination onto connectors.



| | |
|---------|--|
| 96-312B | Rotary Cable Stripper, RG58, 59, URM70 |
| 96-312S | Rotary Cable Stripper for RG213 Cable |
| 96-312X | Rotary Cable Stripper, Mini 59 |
| 96-322 | Rotary Cable Stripper, RG58, 59, URM70 |
| 96-332D | Rotary Cable Stripper, RG179 |

Other tools.

| | |
|----------|--|
| 100-1023 | 1.0/2.3 Crimp contact alignment tool |
| 96-1135 | Nut runner for Micro BNC slotted bulkhead fixing nut |
| 96-1136 | Nut runner for 1.0/2.3 slotted bulkhead fixing nut |



Cable boots.

| Part Number | Cable Type | Colour |
|--|------------|---|
| 97-800-XX-05 | RG58 | Available in 10 colours: Black (BK), Brown (BN), Blue (BU), Green (GN), Grey (GY), Orange (OR), Red (RE), Violet (VI), White (WH) and Yellow (YE) |
| 97-800-XX-06 | RG59 | |
| 97-800-XX-03 | RG174/179 | Available in 5 colours: BK, BU, GN, RE, YE |
| Replace XX in part number with appropriate code as shown in colour column. | | |



Boots for other cables are available on request. Please contact COAX for details.

Accessories.

Black protective PVC caps offer general protection when fitted to the interface of a connector.

Available in a wide range of sizes, these caps can be used to protect most coaxial connectors in this catalogue.



| Part Number | Diameter in mm | Length in mm | Fits Connector |
|-------------|----------------|--------------|--|
| 100-121 | 9.7 | 12 | BNC & TNC Jacks |
| 100-122 | 14.0 | 15 | BNC & TNC Plug |
| 100-123 | 20.5 | 15 | N Type Plug & UHF Plug |
| 100-124 | 8.2 | 10 | SMA Plug |
| 100-125 | 33.0 | 15 | 7/16 Plug |
| 100-126 | 28.0 | 13 | 7/16 Jack |
| 100-127 | 2.6 | 9 | |
| 100-128 | 2.9 | 10 | SMB & SMC |
| 100-129 | 8.5 | 20 | F Type Jack & Mini BNC Plug |
| 100-130 | 9.5 | 16 | Type 43 (SMZ) Socket |
| 100-131 | 11.0 | 20 | F Type Plug |
| 100-132 | 15.5 | 20 | N Type Jack & UHF Jack |
| 100-133 | 16.0 | 20 | |
| 100-134 | 18.0 | 30 | |
| 100-135 | 6.5 | 18 | BMA Jack & 1.0/2.3 Plug Micro BNC Plug |
| 100-136 | 6.0 | 18 | SMA Jack, Micro BNC Jack, SMB Plug & Type 43 (SMZ) Plug |
| 100-137 | 13.0 | 12 | |
| 100-138 | 14.0 | 12 | |

Not all connector outlines are covered by a specification and dimensions may vary.
Please check actual connector size before selecting the above items.

Bespoke cable assemblies

See page 6



Part Number Index

| Part Number | Page | Part Number | Page | Part Number | Page | Part Number | Page |
|---------------|------|------------------|------|-------------------|------|---------------|------|
| 10-001-A0-AI | 32 | 10-054-A0-AI | 34 | 10-501-B36 | 41 | 10-015-Z0-CC | 70 |
| 10-001-A3-AH | 15 | 10-054-A0-BC | 34 | 10-503-A3 | 25 | 10-015-Z0-CC | 70 |
| 10-002-B3-AN | 15 | 10-054-A0-BC | 34 | 10-503-A6 | 41 | 10-015-Z0-CC | 70 |
| 10-004-A0-AI | 32 | 10-054-A3-AH | 18 | 10-503-B36 | 41 | 10-026-D6-CA | 71 |
| 10-004-A0-AJ | 32 | 10-054-A3-AK | 18 | 10-514-A3 | 25 | 10-027-D6-CA | 71 |
| 10-004-A0-CB | 32 | 10-054-A3-AN | 18 | 10-520-A0 | 41 | 15-501-A0 | 71 |
| 10-004-A0-CD | 32 | 10-054-A3-AP | 18 | 10-520-A3 | 25 | 15-514-A6 | 71 |
| 10-005-A0-AF | 31 | 10-054-B36-AB | 34 | 10-520-W66 | 41 | 16-020-A0-AI | 72 |
| 10-005-A0-AG | 31 | 10-054-B36-AI | 34 | 10-522-A3 | 25 | 16-500-A0 | 72 |
| 10-005-A0-AJ | 31 | 10-054-B36-BC | 34 | 10-523-A3 | 25 | 18-005-D36-AB | 75 |
| 10-005-A0-AM | 14 | 10-054-B36-BD | 34 | 10-526-A3 | 25 | 18-054-D36-AB | 75 |
| 10-005-A0-BC | 31 | 10-055-A0-AB | 34 | 10-527-A3 | 25 | 18-154-D6-AB | 75 |
| 10-005-A0-BC | 31 | 10-055-A0-AB | 18 | 10-550-B36 | 41 | 18-403-D6 | 74 |
| 10-005-A0-CA | 31 | 10-055-B36-BF | 34 | 10-550-D66 | 41 | 18-453-D6 | 74 |
| 10-005-A0-CB | 31 | 10-056-B36-AB | 34 | 11-005-A3-AH | 26 | 20-005-A0-AD | 77 |
| 10-005-A0-CC | 31 | 10-056-B36-BG | 34 | 11-005-A3-AK | 26 | 20-005-A0-AH | 77 |
| 10-005-A0-CD | 31 | 10-104-A0-AI | 33 | 11-254-A3-AH | 27 | 20-016-A0-AN | 77 |
| 10-005-A3-AH | 14 | 10-104-A0-BC | 33 | 11-254-A3-AK | 27 | 20-016-A0-AO | 77 |
| 10-005-A3-AN | 14 | 10-104-A0-BD | 33 | 13-001-A3-AH | 55 | 20-016-K0-AH | 77 |
| 10-005-A3-AO | 14 | 10-104-A0-FA | 33 | 13-001-A3-DE | 55 | 20-016-K1-AH | 77 |
| 10-005-A3-AP | 14 | 10-104-A3-AB | 17 | 13-005-A0-AB | 54 | 20-050-G0-AH | 78 |
| 10-005-A3-AU | 14 | 10-104-A3-AK | 17 | 13-005-A0-AI | 54 | 20-050-G0-AH | 78 |
| 10-005-A3-DB | 14 | 10-105-B3-AK | 17 | 13-005-A0-AM | 54 | 20-500-A0 | 79 |
| 10-005-A3-DE | 14 | 10-105-B3-DE | 17 | 13-005-A3-AH | 54 | 20-501-A0 | 79 |
| 10-005-A6-BB | 31 | 10-106-A0-AB | 33 | 13-005-A3-AN | 54 | 21-005-A3-AH | 79 |
| 10-005-A6-CA | 11 | 10-106-A0-AB | 17 | 13-005-A3-DE | 54 | 22-005-A3-AD | 81 |
| 10-005-A7-BD | 31 | 10-254-A0-AG | 35 | 13-005-A3-AU | 54 | 22-005-A3-AH | 81 |
| 10-005-A9-DN | 31 | 10-254-A0-AI | 35 | 13-005-B3-AH | 54 | 22-005-A3-AK | 81 |
| 10-005-B36-AB | 31 | 10-254-A0-BC | 35 | 13-005-B3-AK | 54 | 22-007-A0-AA | 81 |
| 10-005-B36-AI | 31 | 10-254-A0-FA | 35 | 13-005-B3-DB | 54 | 22-054-A0-AK | 81 |
| 10-005-B36-BC | 31 | 10-254-A3-AH | 19 | 13-005-B3-DC | 54 | 22-054-A3-AA | 81 |
| 10-005-B36-BD | 31 | 10-254-A3-AU | 19 | 13-005-B3-DE | 54 | 22-054-A3-AD | 81 |
| 10-005-B36-BF | 31 | 10-254-A6-BD | 35 | 13-006-A3-AD | 54 | 22-204-A3-AD | 82 |
| 10-005-B36-BG | 31 | 10-254-B36-BG | 35 | 13-014-B3-HB | 55 | 22-500-A3 | 83 |
| 10-005-B36-EG | 31 | 10-254-B3-AK | 19 | 13-025-A3-DE | 54 | 22-514-A0 | 83 |
| 10-005-B36-FA | 31 | 10-256-A0-AB | 35 | 13-054-A3-AH | 57 | 24-005-B6-BD | 150 |
| 10-005-B36-FB | 31 | 10-256-A0-AD | 19 | 13-054-A3-AK | 57 | 24-005-B6-BF | 150 |
| 10-005-B36-FC | 31 | 10-258-A3-AH | 19 | 13-054-B3-DE | 57 | 24-104-B6-BD | 151 |
| 10-005-B36-FD | 30 | 10-258-A3-AI | 35 | 13-055-A3-AB | 57 | 24-104-B6-BF | 151 |
| 10-005-B36-FE | 31 | 10-258-B3-FA | 35 | 13-055-A3-AD | 57 | 25-001-A0-AM | 88 |
| 10-005-B36-FF | 31 | 10-258-B3-FB | 35 | 13-104-A3-AH | 56 | 25-001-B3-AH | 88 |
| 10-005-B36-FH | 31 | 10-258-B3-FH | 35 | 13-104-A3-AK | 56 | 25-001-B3-AK | 88 |
| 10-005-B3-AK | 14 | 10-258-B3-FC | 35 | 13-105-B3-AK | 56 | 25-001-B3-AN | 88 |
| 10-005-B3-EH | 31 | 10-258-B3-FC | 35 | 13-105-B3-AN | 56 | 25-001-B3-DE | 88 |
| 10-005-B6-BA | 31 | 10-260-A3-AD | 19 | 13-105-B3-DC | 56 | 25-001-B6-AI | 88 |
| 10-005-B6-DL | 31 | 10-264-B3-AA | 19 | 13-105-B3-DE | 56 | 25-005-A0-AM | 87 |
| 10-005-D66-FA | 30 | 10-268-A3-AD | 18 | 13-106-A0-AD | 56 | 25-005-B3-AH | 87 |
| 10-005-D66-FB | 30 | 10-278-B3-AD | 21 | 13-254-A3-AH | 58 | 25-005-B3-AK | 87 |
| 10-005-D66-FC | 30 | 10-278-B3-AK | 21 | 13-254-B3-AK | 58 | 25-005-B3-AN | 87 |
| 10-005-T36-AB | 31 | 10-282-B36-BG | 35 | 13-254-B3-DB | 58 | 25-005-B3-AO | 87 |
| 10-005-T36-AI | 31 | 10-350-A3 | 36 | 13-256-A0-AA | 58 | 25-005-B3-AU | 87 |
| 10-005-T36-BC | 31 | 10-350-B6 | 36 | 13-256-A0-AD | 58 | 25-005-B3-DA | 87 |
| 10-005-T36-EG | 31 | 10-351-K3 | 20 | 13-258-A3-AH | 58 | 25-005-B3-DB | 87 |
| 10-005-T36-FA | 31 | 10-351-K6 | 36 | 13-264-A0-AD | 58 | 25-005-B3-DC | 87 |
| 10-005-T36-FB | 31 | 10-352-A3 | 20 | 13-264-B3-AA | 58 | 25-005-B3-DE | 87 |
| 10-005-T36-FC | 31 | 10-352-A3-33 | 20 | 13-278-A3-AD | 60 | 25-005-B6-AB | 87 |
| 10-005-W66-FA | 30 | 10-355-B3 | 20 | 13-279-B3-HA-17.5 | 60 | 25-005-B6-AI | 87 |
| 10-005-W66-FB | 30 | 10-355-B6 | 36 | 13-283-B3-HA-17.5 | 60 | 25-006-B3-AD | 87 |
| 10-005-W66-FC | 30 | 10-371-B3 | 21 | 13-322-B3-AD | 59 | 25-006-B3-AE | 87 |
| 10-005-W66-FD | 30 | 10-416-B66 | 39 | 13-350-A3 | 59 | 25-014-B3-HA | 87 |
| 10-006-A0-AB | 31 | 10-416-D66 | 39 | 13-355-A3 | 59 | 25-014-B3-HB | 87 |
| 10-006-A0-CE | 31 | 10-450-B3 | 22 | 13-410-1.57mm-Q3 | 61 | 25-017-B3-DE | 89 |
| 10-006-A0-CF | 31 | 10-450-B36-138 | 37 | 13-468-A3 | 61 | 25-017-B3-DG | 89 |
| 10-006-A3-AD | 14 | 10-450-B6 | 37 | 13-500-A3 | 62 | 25-017-B3-DH | 89 |
| 10-006-A3-AE | 14 | 10-452-A6 | 37 | 13-500-B36 | 62 | 25-018-B3-DE | 89 |
| 100-1023 | 177 | 10-452-B6 | 37 | 13-501-A3 | 62 | 25-025-B3-DC | 87 |
| 100-121 | 178 | 10-456-A5 | 23 | 13-505-B3-AH | 93 | 25-050-B3-AB | 93 |
| 100-122 | 178 | 10-462-1-D36-1.6 | 37 | 13-520-A3 | 62 | 25-050-B3-AD | 93 |
| 100-123 | 178 | 10-462-B36-1.6 | 37 | 14-005-A3-AH | 65 | 25-050-B6-AI | 93 |
| 100-124 | 178 | 10-462-D6 | 37 | 14-005-B3-AK | 65 | 25-051-B3-AN | 93 |
| 100-125 | 178 | 10-466-1-A8 | 38 | 14-005-B3-DE | 65 | 25-054-B3-AD | 92 |
| 100-126 | 178 | 10-466-AB | 38 | 14-006-A3-AD | 65 | 25-054-B3-AH | 92 |
| 100-127 | 178 | 10-468-A5 | 23 | 14-054-A3-AH | 66 | 25-054-B3-AK | 92 |
| 100-128 | 178 | 10-468-AB | 38 | 14-054-A3-AK | 66 | 25-054-B3-AN | 92 |
| 100-129 | 178 | 10-468-D5 | 23 | 14-054-A3-AN | 66 | 25-054-B3-AO | 92 |
| 100-130 | 178 | 10-470-1-X36 | 39 | 14-054-B3-DE | 66 | 25-054-B3-DB | 92 |
| 100-131 | 178 | 10-471-K5 | 23 | 14-055-A3-AD | 66 | 25-054-B3-DE | 92 |
| 100-132 | 178 | 10-471-K6 | 38 | 14-254-A3-AH | 67 | 25-054-B6-AI | 92 |
| 100-133 | 178 | 10-473-A3 | 22 | 14-254-A3-AK | 67 | 25-067-B3-DH | 93 |
| 100-134 | 178 | 10-491-B6 | 37 | 14-256-A3-AD | 67 | 25-068-B3-DE | 93 |
| 100-135 | 178 | 10-491-B6-45 | 37 | 15-004-Z0-AG | 71 | 25-101-B3-AN | 90 |
| 100-136 | 178 | 10-500-A3 | 25 | 15-005-A6-AB | 71 | 25-101-B3-DE | 90 |
| 100-137 | 178 | 10-500-B36 | 41 | 15-005-B36-AB | 71 | 25-105-A3-AH | 90 |
| 100-138 | 178 | 10-500-B66 | 41 | 15-005-B36-FA | 71 | 25-105-A3-AU | 90 |
| 10-014-D3-HA | 16 | 10-501-A3 | 25 | 15-005-B36-FG | 71 | 25-105-B3-AD | 90 |
| 10-014-D3-HB | 16 | 10-501-A6 | 41 | 15-015-Z0-AI | 70 | 25-105-B3-AE | 90 |
| 10-021-A0-CA | 32 | 10-501-B36 | 41 | 15-015-Z0-AN | 70 | 25-105-B3-AK | 90 |
| 10-050-A3-AH | 18 | 10-503-A3 | 25 | 15-015-Z0-A5 | 70 | 25-105-B3-AN | 90 |
| 10-054-A0-AG | 34 | 10-501-A6 | 41 | 15-015-Z0-CA | 70 | 25-105-B3-AO | 90 |

Part Number Index

| Part Number | Page | Part Number | Page | Part Number | Page | Part Number | Page | Part Number | Page |
|-------------------|------|----------------|------|----------------|------|------------------|------|--------------|------|
| 25-109-B3-AO | 90 | 30-462-D3-1.6 | 116 | 43-061-D6-BJ | 143 | 63-254-B6-FA | 45 | 96-336P1 | 176 |
| 25-109-B3-DB | 90 | 30-465-D3 | 115 | 43-062-D6-AB | 145 | 66-054-B6-BD | 147 | 96-336T1 | 176 |
| 25-110-B3-DE | 90 | 30-467-D3 | 115 | 43-062-D6-BD | 145 | 66-054-B6-BF | 147 | 96-336Y | 176 |
| 25-233-A3 | 91 | 30-468-D0 | 115 | 43-062-D6-BF | 145 | 67-005-B66-1-FA | 48 | 96-568R | 176 |
| 25-254-B3-AN | 94 | 30-500-D3 | 119 | 43-062-D6-BG | 145 | 67-005-B66-AB | 48 | 96-HTS-43 | 176 |
| 25-254-B3-DB | 94 | 30-501-D10 | 119 | 43-062-D6-BI | 145 | 67-005-B66-EF | 48 | 96-HTS-75 | 176 |
| 25-255-B3-AD | 94 | 30-501-D3 | 119 | 43-062-D6-BJ | 145 | 67-005-B66-FA | 48 | 96-HTS-76 | 176 |
| 25-255-B3-AH | 94 | 30-514-D3 | 119 | 43-105-D6-AB | 140 | 67-005-B66-FB | 48 | 97-800-XX-03 | 177 |
| 25-255-B3-AK | 94 | 30-520-D3 | 119 | 43-105-D6-AI | 140 | 67-005-B66-FC1 | 48 | 97-800-XX-05 | 177 |
| 25-255-B3-DE | 94 | 30-522-D3 | 119 | 43-105-D6-BD | 140 | 67-005-B66-FE | 48 | 97-800-XX-06 | 177 |
| 25-255-H3-HA | 94 | 30-523-D3 | 119 | 43-105-D6-BE | 140 | 67-454-D66 | 50 | | |
| 25-255-H3-HB | 94 | 30-890-1-A3 | 117 | 43-415-D3 | 141 | 67-463-1-D66-1.6 | 49 | | |
| 25-278-B3-AE | 95 | 30-890-A3 | 117 | 43-528-D6 | 141 | 67-463-D66 | 49 | | |
| 25-278-B3-AH | 95 | 31-005-A3-AD | 120 | 43-530-D6 | 146 | 67-468-1-D66 | 51 | | |
| 25-278-B3-AK | 95 | 31-005-B3-AH | 120 | 43-531-D6 | 146 | 67-468-2-D66 | 51 | | |
| 25-278-B3-AN | 95 | 31-005-D3-AD | 120 | 43-532-D6 | 146 | 67-468-3-D66 | 51 | | |
| 25-279-B3-HA | 95 | 31-005-D3-AH | 120 | 43-533-D6 | 146 | 67-468-D66 | 51 | | |
| 25-279-B3-HA-17.5 | 95 | 31-005-D3-AK | 120 | 43-76A | 140 | 67-476-D66-8.3 | 50 | | |
| 25-279-B3-HB | 95 | 31-054-A3-AD | 121 | 43-76A | 173 | 67-476-D66-12.25 | 50 | | |
| 25-283-Q3-HA-17.5 | 95 | 31-054-A3-AH | 121 | 45-005-A0-AB | 160 | 67-863-B36 | 51 | | |
| 25-322-B3-AD | 91 | 31-054-D3-AD | 121 | 45-005-D3-AA | 160 | 74-1013-534 | 173 | | |
| 25-350-B3 | 96 | 31-054-D3-AH | 121 | 45-005-D3-AD | 160 | 74-1015-500 | 173 | | |
| 25-360-B3 | 96 | 31-254-1-D3-AH | 121 | 45-005-D3-AE | 160 | 74-1015-511 | 173 | | |
| 25-364-J3 | 91 | 31-254-D3-AD | 121 | 45-014-D3-HA | 160 | 74-1015-534 | 173 | | |
| 25-371-B3 | 96 | 32-005-D3-AB | 124 | 45-054-D3-AD | 161 | 74-1016-511 | 173 | | |
| 25-500-B3 | 99 | 32-005-D3-AD | 124 | 45-105-D3-AA | 162 | 74-1016-514 | 173 | | |
| 25-501-B3 | 99 | 32-005-D3-AE | 124 | 45-105-D3-AD | 162 | 74-1017-511 | 173 | | |
| 25-501-B3-3GHz | 99 | 32-010-D0-BD | 124 | 45-105-D3-AE | 162 | 74-1017-514 | 173 | | |
| 25-514-B3 | 99 | 32-054-B3-AB | 126 | 45-105-D3-AH | 162 | 74-1017-534 | 173 | | |
| 25-520-B3 | 99 | 32-054-B3-AD | 126 | 45-105-D6-AB | 162 | 74-1020-511 | 173 | | |
| 25-520-H3 | 99 | 32-054-D3-AE | 126 | 45-108-D3-HA | 162 | 74-1020-534 | 173 | | |
| 25-523-A3 | 99 | 32-101-D3-AA | 125 | 45-108-D3-HB | 162 | 74-1022-514 | 173 | | |
| 25-850-Z | 97 | 32-105-D3-AB | 125 | 45-254-D3-AD | 161 | 74-1025-511 | 173 | | |
| 25-852-Z | 97 | 32-105-D3-AD | 125 | 45-347-Q3-HA | 161 | 74-1025-511-75R | 173 | | |
| 25-858-Z | 97 | 32-105-D3-AE | 125 | 45-411-D3 | 163 | 74-1025-514 | 173 | | |
| 25-859-Z | 97 | 32-105-D3-BD | 125 | 45-450-D3 | 163 | 74-1025-514-75R | 173 | | |
| 29-005-D3-AD | 101 | 32-105-D3-BG | 125 | 45-450-D6 | 163 | 74-1025-534 | 173 | | |
| 29-468-D6 | 101 | 32-105-D6-AC | 125 | 45-465-D3 | 163 | 74-1030-511 | 173 | | |
| 30-001-D3-AH | 104 | 32-254-A3-AD | 127 | 47-005-D3-AA | 166 | 74-1030-514-B3 | 173 | | |
| 30-001-D3-AK | 104 | 32-254-D3-AA | 127 | 47-005-D3-AB | 166 | 74-1030-534-B3 | 173 | | |
| 30-005-B3-AD | 105 | 32-254-D3-AB | 127 | 47-005-D3-AD | 166 | 74-1067-514 | 173 | | |
| 30-005-B3-AH | 105 | 32-271-D3-AD | 127 | 47-005-D3-AE | 166 | 74-1067-534 | 173 | | |
| 30-005-B3-DB | 105 | 32-369-D3 | 128 | 47-014-D3-HA | 166 | 74-1325-511 | 173 | | |
| 30-005-D3-AA | 105 | 32-371-D3 | 128 | 47-054-D3-AA | 167 | 74-1330-500 | 173 | | |
| 30-005-D3-AD | 105 | 32-450-B3 | 129 | 47-054-D3-AB | 167 | 74-1330-511 | 173 | | |
| 30-005-D3-AE | 105 | 32-450-D6 | 129 | 47-054-D3-AD | 167 | 74-1330-534 | 173 | | |
| 30-005-D3-AH | 105 | 32-454-D0 | 129 | 47-054-D3-AE | 167 | 74-1520-534 | 173 | | |
| 30-005-D3-AK | 105 | 32-465-D0 | 130 | 47-105-D3-AA | 168 | 74-1525-511 | 173 | | |
| 30-005-D3-DA | 105 | 32-470-D3 | 130 | 47-105-D3-AD | 168 | 74-1525-534 | 173 | | |
| 30-008-D3-AH | 105 | 32-501-D3 | 131 | 47-254-D3-AB | 167 | 74-2022-514 | 173 | | |
| 30-008-D3-DE | 105 | 32-514-D3 | 131 | 47-450-D3 | 169 | 74-2025-514 | 173 | | |
| 30-014-D3-HA | 106 | 32-522-D3 | 131 | 47-460-D3 | 169 | 74-2030-534 | 173 | | |
| 30-014-D3-HB | 106 | 32-523-D3 | 131 | 47-465-D3 | 169 | 74-2122-514 | 173 | | |
| 30-054-B3-AD | 108 | 34-001-D3-AH | 134 | 52-005-B0-AH | 154 | 74-2213-514 | 173 | | |
| 30-054-D3-AA | 108 | 34-005-C3-AD | 134 | 52-005-B0-AK | 154 | 74-2225-514 | 173 | | |
| 30-054-D3-AD | 108 | 34-005-D3-AA | 134 | 52-005-B6-AB | 154 | 74-2225-534 | 173 | | |
| 30-054-D3-AE | 108 | 34-005-D3-AD | 134 | 52-005-B6-BC | 154 | 74-2530-500 | 173 | | |
| 30-054-D3-AH | 108 | 34-105-D3-AD | 134 | 52-005-B6-BD | 154 | 74-2530-501-B3 | 173 | | |
| 30-054-D3-AK | 108 | 34-254-D3-AD | 135 | 52-005-B6-BF | 154 | 74-2530-511 | 173 | | |
| 30-068-B3-DE | 110 | 34-350-D3 | 135 | 52-005-B6-BG | 154 | 74-2530-514 | 173 | | |
| 30-069-D3-AD | 108 | 34-468-D3 | 134 | 52-005-B6-BH | 154 | 74-2530-534 | 173 | | |
| 30-105-D3-AA | 107 | 34-371-D3 | 135 | 52-005-B6-EH | 154 | 74-2555-500-E3 | 173 | | |
| 30-105-D3-AD | 107 | 43-011-D6-AB | 138 | 52-005-B6-EF | 154 | 74-2555-511-P3 | 173 | | |
| 30-105-D3-AE | 107 | 43-011-D6-BD | 138 | 52-005-B6-EF | 154 | 74-2555-534 | 173 | | |
| 30-105-D3-AH | 107 | 43-011-D6-BE | 138 | 52-005-D3-EE | 154 | 76-570-Q3-AH | 174 | | |
| 30-105-D3-AK | 107 | 43-011-D6-BF | 138 | 52-005-D3-FB | 154 | 76-570-Q6-AI | 174 | | |
| 30-108-D3-HA | 106 | 43-011-D6-BG | 138 | 52-054-D6-BD | 155 | 77-495-R3-AD | 175 | | |
| 30-108-D3-HB | 106 | 43-011-D6-BI | 138 | 52-104-B3-BD | 155 | 96-1023 | 177 | | |
| 30-254-D3-AD | 109 | 43-011-D6-BJ | 138 | 52-104-D3-AB | 155 | 96-106G | 176 | | |
| 30-254-D3-AE | 109 | 43-012-D6-AB | 142 | 52-254-D6-AB | 155 | 96-106L | 176 | | |
| 30-254-D3-AH | 109 | 43-012-D6-AC | 142 | 52-254-D6-BC | 155 | 96-106Q | 176 | | |
| 30-254-D3-AK | 109 | 43-012-D6-BD | 142 | 52-271-D3-AB | 156 | 96-106X | 176 | | |
| 30-256-B3-AA | 109 | 43-012-D6-BF | 142 | 52-271-D3-BD | 156 | 96-1132 | 177 | | |
| 30-256-D3-AA | 109 | 43-012-D6-BG | 142 | 52-450-D36 | 157 | 96-1135 | 177 | | |
| 30-266-D3-HA | 109 | 43-012-D6-BI | 142 | 52-454-D36 | 157 | 96-1136 | 177 | | |
| 30-266-D3-HB | 109 | 43-012-D6-BJ | 142 | 52-463-D36-1.6 | 156 | 96-2208 | 177 | | |
| 30-319-D3 | 107 | 43-014-D6-AB | 144 | 52-468-D36 | 157 | 96-310-832-Tool | 177 | | |
| 30-321-D3 | 107 | 43-014-D6-BD | 144 | 57-216-D3-AD | 171 | 96-312B | 177 | | |
| 30-348-D3 | 112 | 43-060-D6-AB | 139 | 57-285-D3-AD | 171 | 96-312S | 177 | | |
| 30-349-D3 | 112 | 43-060-D6-BD | 139 | 57-400-D3 | 171 | 96-312X | 177 | | |
| 30-352-D3 | 111 | 43-060-D6-BE | 139 | 63-005-A0-AB | 44 | 96-332 | 177 | | |
| 30-360-D3 | 112 | 43-060-D6-BF | 139 | 63-005-B6-AB | 44 | 96-332D | 177 | | |
| 30-368-B3 | 113 | 43-060-D6-BG | 139 | 63-005-B6-BD | 44 | 96-336A | 176 | | |
| 30-368-D3 | 113 | 43-060-D6-BI | 139 | 63-005-B6-BF | 44 | 96-336A4 | 176 | | |
| 30-369-D3 | 113 | 43-060-D6-BJ | 139 | 63-005-B6-BG | 44 | 96-336C2 | 176 | | |
| 30-372-D3 | 113 | 43-061-D6-AB | 143 | 63-005-B6-FA | 44 | 96-336D0 | 176 | | |
| 30-390-D3-1.6 | 116 | 43-061-D6-BD | 143 | 63-254-B6-AB | 45 | 96-336G | 176 | | |
| 30-450-D3 | 114 | 43-061-D6-BF | 143 | 63-254-B6-BD | 45 | 96-336I | 176 | | |
| 30-454-D3 | 114 | 43-061-D6-BG | 143 | 63-254-B6-BF | 45 | 96-336J | 176 | | |
| 30-459-D3-1.6 | 116 | 43-061-D6-BI | 143 | 63-254-B6-BG | 45 | 96-336K | 176 | | |

Product safety notice.

The following warning statement must be read in conjunction with the product data sheet or catalogue. Failure to observe this information and the operating conditions specified could result in hazardous conditions.

Application.

RF connectors are generally used in low voltage circuits, however care should be taken to ensure that any connector with an exposed contact is not used when hazardous voltages are possible and the touching of a contact could cause an electric shock. Voltages in excess of 30 Vac or 42.5 Vdc are potentially hazardous and care should be taken to ensure that such voltages cannot be transmitted in any way to exposed metal parts of the connector body. Before making live, the connector and wiring should be checked for no damage to metal parts or insulators, no solder blobs, loose strands, conducting lubricants, swarf, or any other undesired conducting particles. Circuit resistance and continuity check should be made to ensure that there are no high resistance joints or spurious conducting paths. Always use the correct application tools as specified in the Data Sheet or Catalogue. Do not permit untrained personnel to wire, assemble or tamper with connectors. For operation voltage please see appropriate national regulations.

Materials & form.

Electrical connectors do not usually contain hazardous materials. They contain conducting and non-conducting materials and are usually manufactured from either: copper, copper alloys, nickel, zinc, alumel, chromel or steel. In special applications, other alloys may be specified.

Fire & electric shock hazard.

There is no fire hazard when the connector is correctly wired and used within the specified parameters. Incorrect wiring or assembly of the connector or careless use of metal tools or conductive fluids, or transit damage to any of the component parts may cause electric shock or burns. Live circuits must not be broken by separating mated connectors as this may cause arcing, ionization and burning. Heat dissipation is greater at maximum resistance in a circuit. Hot spots may occur when resistance is raised locally by damage, e.g. cracked or deformed contacts, broken strands of wire. Local overheating may also result from the use of the incorrect application tools or from poor quality soldering or slack screw terminals.

Overheating may occur if the ratings in the product Data Sheet or Catalogue are exceeded and can cause breakdown of insulation and hence electric shock. If heating is allowed to continue it intensifies by further increasing the local resistance through loss of temper of spring contacts, formation of oxide film on contacts and wires and leakage currents through carbonisation of insulation and tracking paths. Fire can then result in the presence of combustible materials and this may release noxious fumes. Overheating may not be visually apparent. Burns may result from touching overheated components.

Handling.

Care must be taken to avoid damage to any component parts of electrical connectors during installation and use. Although there are normally no sharp edges, care must be taken when handling certain components to avoid injury to fingers. Electrical connectors may be damaged in transit to the customers, and damage may result in creation of hazards. Products should therefore be examined prior to installation/use and rejected if found to be damaged.

Disposal.

Burning of certain materials may release noxious or toxic fumes.

Important information.

Operating voltage: The admissible operating voltages depend on the individual applications and the valid national and other applicable safety regulations. For this reason, operating voltages, where quoted, are reference values only.

General information.

COAX Connectors Limited continuously works to improve their products. Therefore, COAX Connectors Limited products may deviate from the description, technical data and shape as shown in this catalogue and data sheets.

Product warranty.

COAX Connectors Limited manufactures high quality products; however these products are intended to be used in accordance with the product data sheet and assembly procedure. Any use or application that deviates from the stated operating specifications is not recommended and may be unsafe. No information and data contained in this publication shall be construed to create any liability on the part of COAX Connectors Limited. A limited warranty applies to COAX Connectors Limited products. Except for obligations assumed by COAX Connectors Limited under this warranty, COAX Connectors Limited shall not be liable for any loss, damage, cost of repairs, incidental or consequential damages of any kind, whether or not based on express or implied warranty contract, negligence or strict liability arising in connection with the design, manufacture, sale, use or repair of the products. This publication is not to be construed as an offer, it is intended merely as an invitation to make an offer. By this publication, COAX Connectors Limited does not assume responsibility or any liability for any patent infringements or other rights of third parties which may result from its use. Reprinting this publication is generally permitted by indicating the source, however, prior consent must be obtained from COAX Connectors Limited, in all cases.

Quality Performance Reliability

Whether you need advice on connectors, cable assemblies, wish to place an order or discuss a bespoke solution, our team of experienced engineers, technical advisors and designers are here to take your call.

+44 (0)20 8538 9090
info@coax-connectors.com

COAX
CONNECTORS LTD



www.coax-connectors.com

COAX Connectors Ltd.
6-8 Colne Road
Twickenham
Middlesex TW1 4JR

t : +44 (0)20 8538 9090
f : +44 (0)20 8538 9890

e: info@coax-connectors.com



No. 95013579



No. 92E13579